

## **Historic, archived document**

Do not assume content reflects current scientific knowledge, policies, or practices.



x6 AG-  
Cap. 4

U. S. DEPARTMENT OF AGRICULTURE

---

# COOPERATIVE EXTENSION WORK, 1921



PREPARED BY THE  
STATES RELATIONS SERVICE

## LETTER OF TRANSMITTAL.

---

U. S. DEPARTMENT OF AGRICULTURE,  
STATES RELATIONS SERVICE,  
*Washington, D. C., February 14, 1922.*

SIR: I have the honor to transmit herewith a report on cooperative extension work in agriculture and home economics in the United States for 1921, and on the work of the Department of Agriculture in relation thereto, in accordance with a provision of the act of Congress of March 4, 1915, entitled "An act making appropriations for the Department of Agriculture for the fiscal year ending June thirtieth, nineteen hundred and sixteen." (38 Stat. L., p. 1110.)

Very respectfully,

A. C. TRUE, *Director.*

Hon. HENRY C. WALLACE,  
*Secretary of Agriculture.*

---

## CONTENTS.

---

	Page
Organization.....	5
Personnel.....	5
Funds.....	5
Results.....	6
National accomplishments.....	6
Crop production.....	7
Animal production.....	9
Rodent pest control.....	11
Cooperative buying and selling.....	11
The farm home.....	11
Work with negroes.....	12
Farmers' institutes.....	13
Summary.....	14
Statistics.....	15

DEPARTMENT OFFICIALS IN CHARGE OF AGRICULTURAL  
EXTENSION WORK.

STATES RELATIONS SERVICE.

A. C. TRUE, Director.

OFFICE OF EXTENSION WORK IN THE SOUTH.

J. A. EVANS, Chief.

States.

Alabama, Arkansas, Florida, Georgia, Kentucky, Louisiana, Maryland, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Virginia, and West Virginia.

OFFICE OF EXTENSION WORK IN THE NORTH AND WEST.

C. B. SMITH, Chief.

States.

Arizona, California, Colorado, Connecticut, Delaware, Idaho, Illinois, Indiana, Iowa, Kansas, Maine, Massachusetts, Michigan, Minnesota, Missouri, Montana, Nebraska, Nevada, New Hampshire, New Jersey, New Mexico, New York, North Dakota, Ohio, Oregon, Pennsylvania, Rhode Island, South Dakota, Utah, Vermont, Washington, Wisconsin, and Wyoming.

## STATE OFFICERS IN CHARGE OF AGRICULTURAL EXTENSION WORK.

- ALABAMA.—L. N. Dunham, Alabama Polytechnic Institute, Auburn.
- ARIZONA.—A. B. Pallantyne,<sup>1</sup> College of Agriculture, University of Arizona, Tucson.
- ARKANSAS.—M. T. Payne, 310 Donaghey Building, Little Rock.
- CALIFORNIA.—B. H. Crocheron, College of Agriculture, University of California, Berkeley.
- COLORADO.—Roud McCann, State Agricultural College of Colorado, Fort Collins.
- CONNECTICUT.—H. J. Baker, Connecticut Agricultural College, Storrs.
- DELAWARE.—C. A. McCue, University of Delaware, Newark.
- FLORIDA.—Wilmon Newell, Agricultural Extension Service, Experiment Station, Gainesville.
- GEORGIA.—J. Phil Campbell, Georgia State College of Agriculture, Athens.
- IDAHO.—L. W. Fluharty, The State House, Boise.
- ILLINOIS.—I. W. Mumford, College of Agriculture, University of Illinois, Urbana.
- INDIANA.—G. I. Christie, Purdue University, La Fayette.
- IOWA.—R. K. Bliss, Iowa State College of Agriculture and Mechanic Arts, Ames.
- KANSAS.—H. J. C. Umberger, Kansas State Agricultural College, Manhattan.
- KENTUCKY.—T. P. Cooper, College of Agriculture, University of Kentucky, Lexington.
- LOUISIANA.—W. R. Perkins, Louisiana State University and Agricultural and Mechanical College, University Station, Baton Rouge.
- MAINE.—L. S. Merrill, College of Agriculture, University of Maine, Orono.
- MARYLAND.—T. B. Symons, University of Maryland, College Park.
- MASSACHUSETTS.—J. D. Willard, Massachusetts Agricultural College, Amherst.
- MICHIGAN.—R. J. Baldwin, Michigan Agricultural College, East Lansing.
- MINNESOTA.—F. W. Peck, Department of Agriculture of the University of Minnesota, University Farm, St. Paul.
- MISSISSIPPI.—R. S. Wilson, Mississippi Agricultural and Mechanical College, Agricultural College.
- MISSOURI.—A. J. Meyer, College of Agriculture, University of Missouri, Columbia.
- MONTANA.—F. S. Cooley, Montana State College of Agriculture and Mechanic Arts, Bozeman.
- NEBRASKA.—W. H. Brokaw, College of Agriculture, Lincoln.
- NEVADA.—C. W. Creel, College of Agriculture, University of Nevada, Reno.
- NEW HAMPSHIRE.—J. C. Kendall, New Hampshire College of Agriculture and the Mechanic Arts, Durham.
- NEW JERSEY.—L. A. Clinton, College of Agriculture and Mechanic Arts of Rutgers College and the State University of New Jersey, New Brunswick.
- NEW MEXICO.—C. F. Monroe, New Mexico College of Agriculture and Mechanic Arts, State College.
- NEW YORK.—{A. R. Mann, director,  
M. C. Burritt, vice director,} New York State College of Agriculture, Ithaca.
- NORTH CAROLINA.—B. W. Kilgore, North Carolina State College of Agriculture and Engineering, State College Station, Raleigh.
- NORTH DAKOTA.—G. W. Randlett, North Dakota Agricultural College, Agricultural College.
- OHIO.—H. C. Ramsower, College of Agriculture, Ohio State University, Columbus.
- OKLAHOMA.—W. A. Conner, Oklahoma Agricultural and Mechanical College, Stillwater.
- OREGON.—P. V. Maris, Oregon Agricultural College, Corvallis.
- PENNSYLVANIA.—M. S. McDowell, Pennsylvania State College, State College.
- RHODE ISLAND.—A. E. Stenc, Rhode Island State College, Kingston.
- SOUTH CAROLINA.—W. W. Long, Clemson Agricultural College of South Carolina, Clemson College.
- SOUTH DAKOTA.—W. F. Kumlien, South Dakota State College of Agriculture and Mechanic Arts, Brookings.
- TENNESSEE.—C. A. Keffer, College of Agriculture, University of Tennessee, Knoxville.
- TEXAS.—T. O. Walton, Agricultural and Mechanical College of Texas, College Station.
- UTAH.—R. J. Evans, Agricultural College of Utah, Logan.
- VERMONT.—Thomas Bradlee, University of Vermont and State Agricultural College, Burlington.
- VIRGINIA.—J. R. Hutcheson, Virginia Polytechnic Institute, Blacksburg.
- WASHINGTON.—S. B. Nelson, State College of Washington, Pullman.
- WEST VIRGINIA.—N. T. Frame, College of Agriculture, West Virginia University, Morgantown.
- WISCONSIN.—{H. L. Russell, director,  
K. L. Hatch, assistant director,} College of Agriculture, University of Wisconsin, Madison.
- WYOMING.—A. E. Bowman, College of Agriculture, University of Wyoming, Laramie.

---

<sup>1</sup> Acting director.



## COOPERATIVE EXTENSION WORK, 1921.

---

This is the seventh annual report on cooperative extension work in agriculture and home economics organized under the act of Congress of May 8, 1914 (Smith-Lever Act), and similar work conducted under cooperative agreements between the United States Department of Agriculture, State agricultural colleges, and local organizations. The report shows that during 1921 the extension workers increased their efficiency, as evidenced especially by an increase in the number of demonstrations established and the number of families adopting the improved methods and practices advocated, but also in various other phases of the work.

### ORGANIZATION.

The extension work in 1921 was carried on as in previous years under the joint supervision of the United States Department of Agriculture and the State agricultural colleges cooperating with local organizations within the counties. It was administered for the department through two offices in the States Relations Service, the Office of Extension Work in the South, having charge of the work in 15 Southern States, and the Office of Extension Work in the North and West, having charge of work in 33 Northern and Western States. These two officers were combined into a single Office of Extension Work, October 1, 1921.

### PERSONNEL.

On June 30, 1921, there were 5,300 persons employed in the cooperative extension service. Of these, 2,421 were engaged in county agent work, 2,239 of them having permanent headquarters in the counties; 959 were employed in home demonstration work, 822 being permanently located in the counties; 327 were engaged in club work, 208 being permanently located in the counties. In addition, there were a number of extension specialists in the various branches of agriculture and home economics who did work throughout the States. There were also other workers with college or district headquarters who aided the county agents and did much work in counties where there were no permanent agents.

### FUNDS.

The funds used for the cooperative extension work in 1921 amounted in the aggregate to \$16,795,000, of which the Federal Government contributed \$4,975,000 under the provisions of the Smith-Lever Act, \$1,025,000 through direct appropriations to the department for farmers' cooperative demonstration work, and \$435,000 through funds appropriated to the different bureaus of the department for extension work, making a total from the Federal Government of \$6,435,000. The remaining \$10,360,000 was derived

from sources within the States, including \$4,515,000 appropriated by the State legislatures or allotted by the agricultural colleges, \$4,815,000 provided by county authorities, and \$1,030,000 from miscellaneous sources within the county.

Over half of the total funds available, or \$8,910,000, was spent for county agricultural agent work, \$2,390,000 for home demonstration work, \$925,000 for club work, \$1,150,000 for administration, and \$380,000 for the printing and distribution of publications. In addition to these items, \$2,740,000 was spent for the salaries and expenses of subject-matter specialists, as follows: For live-stock improvement, \$660,000; for crop improvement, \$770,000; for agricultural engineering, \$125,000; for farm-management work, \$146,000; for marketing, \$260,000; and for home economics, \$300,000.

## RESULTS.

*Extension work in communities.*—In the United States as a whole, it is estimated that there are at least 45,000 communities such as are recognized for extension purposes. In 1921, 35,000 of these were in 2,043 counties having the services of county agricultural agents. Of these communities, 25,000 had organized extension work conducted in them in 1921. In other words, of the 15 to 20 communities in an average county which were suitable for extension work, 10 to 15 had such work in 1921.

Some of the reports received indicate the proportion of the communities in which different extension projects were conducted. For example, the home demonstration agents report that they carried on poultry work in 21 per cent of the communities in which they conducted extension work, school-lunch work in 40 per cent, child-care demonstrations in 19 per cent, garment making in 47 per cent, and household-equipment demonstrations in 18 per cent of the communities.

Similar data for the county agents are not available, but if it is assumed that only one demonstration relating to a single farm enterprise was conducted in a community, it would mean that 1 out of 3 communities had demonstrations in connection with corn, 1 out of 4 with swine, and 1 out of 5 with wheat, oats, and dairying.

## NATIONAL ACCOMPLISHMENTS.

*County agent work.*—Although the number of counties with county agricultural agents increased only from 2,033 to 2,043, the number of demonstrations increased from 140,000 to 200,000, or the average per county increased from 69 to 98. The reports of the county agents show that the number of persons who modified their method of growing crops or caring for their live stock as a result of extension work increased from 2,180,000 in 1920 to 2,215,000 in 1921, or, the average number adopting practices advocated by the agent increased from 1,070 per county to 1,080.

*Home demonstration work.*—Although the number of counties with home demonstration agents decreased from 785 to 700, the number of demonstrations reported as established increased from 150,000 to 250,000 and the number of farm women, who adopted the practices demonstrated increased from 325,000 to 650,000, or nearly doubled. The average number of demonstrations per county increased from



190 to over 350 and the number adopting practices increased from 400 to over 900 per county.

*Boys' and girls' club work.*—Similarly, the work with boys and girls showed that it increased in efficiency in 1921. The total enrollment of boys and girls, which was approximately 450,000 in 1920, increased to 500,000 in 1921. However, the number of boys and girls completing the club requirements in 1920 was only 205,000, or 45 per cent of the total, whereas in 1921 the number was 285,000, or 57 per cent of the total.

These facts in the aggregate show that in spite of the lack of progress in placing agents in the counties those who were at work apparently increased their efficiency.

#### CROP PRODUCTION.

The total number of demonstrations relating to crops increased but slightly between 1920 and 1921, the increase being from 83,150 to 84,250. The number adopting the practices advocated, however, increased from 1,500,000 to 1,600,000. The increase in crop demonstrations was primarily in those dealing with legumes, the demonstrations in connection with which increased 40 per cent.

In 1921, 43,200 farmers secured seed corn of high yielding quality, 24,000 seed wheat, 10,000 seed oats, 25,200 seed cotton, and 28,500 seed potatoes. This means that in an average county with a county agricultural agent 21 farmers secured improved seed corn, 12 wheat, 5 oats, and 14 seed potatoes.

*Corn.*—One of the principal types of demonstrations was that dealing with corn. The number of corn demonstrations increased from 9,400 in 1920 to 9,800 in 1921. Through these demonstrations 1,600,000 acres were planted with selected seed corn and 64,500 farmers tested 240,000 bushels which were used in planting 1,500,000 acres. In addition, 160,000 farmers selected 930,000 bushels of seed corn in the fall. Through the influence of the agents, 43,200 farmers secured 135,000 bushels of improved seed, and 8,200 farmers offered 365,000 bushels for sale.

In addition, 27,500 boys were enrolled in corn clubs, of whom 12,000 completed the work. These boys obtained an average yield of 40 to 50 bushels per acre. Aside from the convincing demonstration offered by the 12,000 acres of corn grown, the club members themselves were trained in better farm practices and were encouraged to look forward to better farming as a promising means of livelihood. In estimating the results of club work, not only the crops that are grown but the fact that club members soon become farmers or farmers' wives must be taken into account. From the best information that is available, it appears that 70 to 80 per cent of the children of farmers follow the profession of their parents, and that at least 260,000 persons each year become farm operators. Of these 192,000 will probably grow corn for the first time, showing that about 1 future farmer out of 7 is receiving some training in corn production.

Another possible evidence of the influence of club work in improving corn production is the number of demonstrations conducted by club members in 1921. The club leaders reported that 4,200 club members gave 2,260 demonstrations in seed selection, 1,920 in storing seed, 1,690 in seed testing, and 2,225 in methods of cultivation.

*Wheat.*—What was true of results obtained from extension work with corn in 1921 was equally true of the work with wheat. The number of demonstrations in wheat growing increased from 3,500 in 1920 to 5,100 in 1921, with an increase in yields from 20 to 40 per cent.

Demonstrations in the treatment of seed wheat for smut prevention resulted in an increase of 3 to 6 bushels per acre in the yields obtained by farmers who practiced the treatment. Forty-one thousand farmers treated 2,500,000 bushels which were used in planting 2,800,000 acres; 24,000 farmers were influenced to purchase high-yielding seed wheat, and 6,000 farmers offered 2,250,000 bushels for sale.

In the wheat-producing areas campaigns were instituted to clear the land of grasshoppers and other insect pests, in which 75,000 farmers cooperated, clearing 2,250,000 acres. The farmers estimated a saving of 1 to 2 bushels per acre as a result of this work.

*Oats.*—In oat production the extension agents stressed the treatment of oats for smut prevention and the distribution of seed from high-yielding strains. The farmers cooperating with the county agents obtained, in general, increases of from 20 to 40 per cent as a result of following their advice. Where the seed was treated for smut, the increase in yields amounted to from 3 to 6 bushels. Through the influence of the agents, 53,000 farmers treated 1,250,000 bushels of oats for smut which were used in planting 750,000 acres. Ten thousand farmers were also influenced to buy 285,000 bushels of improved seed, and 6,500 farmers offered 930,000 bushels of high-yielding strains of seed oats for sale.

Comparable results were obtained in work with barley and rye, and extension agents aided in the introduction and successful growing of a number of field crops, such as sunflowers, kafir, sorghum, and feterita, not hitherto locally grown.

*Cotton.*—The low price of cotton and the general agricultural depression influenced the number of demonstrations. In 1921, 6,834 farmers and 2,525 boys agreed to cooperate with the extension agents in growing cotton on their own farms according to methods advocated by the agents, as contrasted with 7,700 farmers and 5,600 boys in 1920. At the end of the year 4,100 of these farmers reported that they grew 110,000 acres of cotton.

Extension workers induced 7,500 farmers to select seed from the best plants in their fields as seed stock for the next year and 7,250 farmers planted pure or selected seed on 290,000 acres. During the year through extension influences, 38,000 farmers adopted better methods of growing cotton. Through demonstration meetings, publications, items in the local newspapers, and otherwise, 100,000 farmers changed to a certain extent their method of growing cotton, and 125,000 acres of cotton were treated for diseases and insect pests.

In addition to influencing the improvement of methods used in cotton production, extension agents, as a result of work in previous years, were in a position to bring about a better and more balanced system of farming in the cotton-growing region and to encourage the growing of more food for the farm family and feed for live stock, where previously a one-crop system of farming had largely prevailed.

*Hay and forage.*—The inability to obtain live-stock feeds during the war and the present prices has tended to increase the number of demonstrations in connection with the growing of legumes; that is, legumes are grown in order to produce more feed and better and



more varied rations for live stock and to increase soil fertility and subsequent crop production.

Extension workers reported that 26,500 demonstrations were conducted in 1921 relating to the various kinds of legumes, as compared with 18,000 in 1920. As a result of this work, over 350,000 farmers either planted legumes for the first time or changed their method of growing. There were 4,100 demonstrations with soy beans, 4,600 with cowpeas, 3,600 with velvet beans, and 3,500 with alfalfa. As a result of these demonstrations, 50,000 farmers grew soy beans, 50,000 cowpeas, 45,000 velvet beans, and 20,000 alfalfa.

As a result of extension efforts to improve the quality of the soil in 1921, over 310,000 acres in legumes were turned under. County agricultural agents reported that 275,000 farmers followed their advice as to the use of commercial fertilizers to maintain and build up the fertility of their soils and as to the most economical and effective methods of application. The application of lime was urged, with the result that 37,000 farmers used 550,000 tons of lime in 1921.

*Potatoes.*—The average yield of potatoes in the United States is low because of the use of poor seed, losses from diseases and insects, and attempts to grow potatoes in those sections where climatic conditions are not favorable for them. In 1921 extension agents emphasized the value of good seed, its proper treatment before planting, and the prevention of losses from insect and other enemies while growing, with the result that on demonstration plats where the potatoes were treated prior to their planting, the farmer obtained increases in yield of from 25 to 75 bushels, and through spraying losses of from 20 to 40 per cent of the crop was prevented. The boys on their demonstration acres obtained an increase in yield of over 100 per cent over that obtained under the general practice in the communities where they resided. As a result of the 7,400 demonstrations in Irish potatoes, 41,000 farmers treated seed used in planting 270,000 acres and 31,000 farmers sprayed 145,000 acres. In addition, 28,500 farmers purchased 550,000 bushels of improved seed, and 10,000 farmers offered 1,300,000 bushels for sale.

*Orchards.*—Thirty-six thousand farmers cooperated with the extension agents in conducting demonstrations in home and commercial orchards. Altogether the agents influenced 40,000 farmers to prune 4,000,000 trees and 37,000 to spray 6,000,000 trees.

#### ANIMAL PRODUCTION.

The number of demonstrations in connection with the improvement of live-stock production increased from 15,500 to 21,700. The work with poultry showed an increase from 15,300 to 31,200. These two items show that increased attention was given during 1921 to demonstrations in live-stock production.

*Better sires.*—The introduction of better stock, particularly of purebred sires, was stressed in 1921, but due to the financial conditions was not as great as in 1920. The extension agents influenced farmers to secure 6,800 dairy bulls, 16,100 purebred dairy cows, 5,400 purebred beef bulls, 6,300 purebred beef cows, 15,000 purebred boars, and 2,800 purebred rams. This means that in the average county, the county agent secured the introduction of three

purebred dairy bulls, two and one-half purebred beef bulls, and seven boars. If we assume that each of the purebred sires were placed on different farms, it shows an increase of 2 to 3 per cent in farms having purebred stock.

The "Better sires—better live stock" campaign started in October, 1919. At present 4,300 farmers have enrolled 88,000 cattle, 64,000 sheep, 41,000 swine, and 10,000 horses.

Activities in connection with the organization of cooperative bull associations were continued, with the result that there were during the past year 160 of these associations in active operation with a membership of 5,100 using 675 purebred bulls in herds composed of 5,500 purebred cows and 26,500 other cows. In addition, the extension agents organized 900 local live-stock breeders' associations with a membership of 24,000.

*Club work with live stock.*—The boys and girls continued their interest in the live-stock improvement program, with the result that 50,000 boys and 2,600 girls were enrolled in the pig clubs, 7,000 boys and 1,200 girls in the dairy clubs, and 4,900 boys in the beef clubs. An interesting feature of the boys' and girls' club work in connection with live-stock improvement is the fact that the enrollment continues to increase in the live-stock project, whereas in connection with the crop project many of them are scarcely able to hold their own. The boys as a rule use only the purebred stock, and their influence on the introduction of better live stock into a community is pronounced.

The work with swine also is indicative of the way boys' and girls' club work is used to bring to the attention of farmers better practices in swine production. In the pig clubs organized for pork production or breeding purposes, 7,765 members raised 10,275 head of purebred stock and 4,600 members demonstrated with 6,500 animals the use of protein feeds in supplementing the usual rations. In the sow and litter clubs, 3,750 boys reported that of their number 2,131 introduced 3,900 head of purebred stock and that 2,475 improved the methods of feeding 5,125 animals as demonstrations of better swine production practices.

About 186,000 new farmers grow swine for the first time each year. Fifty thousand boys are enrolled in the pig club work. It appears, therefore, that at least one-fourth of the future swine growers receive some training through this work. Twenty-four thousand completed the requirements of the club leaders, or nearly 15 per cent of the future swine growers.

*Cow-testing associations.*—In dealing with dairy production, the organization of farmers into cow-testing associations to secure a more profitable output continued to prove most effective. The popularity and effectiveness of this form of extension work is better realized in the light of reports for 1921. At the beginning of the year there were 468 active cow-testing associations with a membership of 12,000 farmers owning 205,000 cows. At the end of the year there were 452 active associations with a membership of 11,200 farmers and 194,000 cows.

*Disease control.*—An important piece of work relating to live stock was that of helping the farmers to control various live-stock diseases. At the suggestion of county agents, 1,100,000 head of cattle were tested for tuberculosis and 500,000 were inoculated for blackleg and



900,000 hogs were inoculated for hog cholera. In all, 3,750,000 animals were treated.

*Poultry.*—Demonstrations in connection with poultry production continued to be of great interest and of increasing importance. Altogether over 31,000 demonstrations were given during the year, and over 260,000 farmers or members of their families put into effect better poultry practices under the direction of the extension agents, growing over 6,000,000 chickens and producing 10,000,000 dozens of eggs by methods demonstrated to them. As a part of the poultry work 85,000 flocks aggregating 5,000,000 chickens were culled and 1,600,000 eliminated. It is estimated that the average saving by elimination of the nonproducers ranged from \$1 to \$1.50 per fowl.

The club work with poultry is another striking example of the possibility of using the boys and girls in improving poultry practices. The club leaders reported that 12,000 members of poultry clubs indicated that of their number 1,850 culled 37,640 fowls, and as a result of these demonstrations 1,770 farmers culled 108,000 fowls, 4,075 members introduced 75,000 fowls of a better grade than that usually grown on their farms, 2,250 fed 33,400 fowls for egg production, 2,640 members demonstrated early hatching with 65,000 chickens, and 1,105 either built new or made over old chicken houses as demonstrations.

#### RODENT PEST CONTROL.

In the Rocky Mountain States, and those bordering on them, the farmers suffer large losses because of the destruction of crops by certain rodent pests. In 1921, 70,000 farmers joined in an organized effort to control these pests, with the result that 13,500,000 acres of farm land were cleared of the pests and over 1,135,000 pounds of poison bait were used. The average saving to the farmers ranges from \$1 to \$2 per acre.

#### COOPERATIVE BUYING AND SELLING.

Aiding the farmers in organizing various associations for buying farm supplies or selling their surplus products continued to be popular in 1921, but not of as great financial significance as in 1920. The amount of business done by associations organized during 1921 was about \$77,000,000 with a saving to the farmers of \$9,225,000. The total business done by associations organized with the assistance of the county agents in 1921 and in previous years amounted to over \$300,000,000 with a saving of over \$20,000,000. This item alone brings a greater saving to the farmers than the cost of the whole extension system.

#### THE FARM HOME.

As pointed out above, in spite of the fact that there was a decrease in the number of counties with home demonstration agents, the number of farm women who conducted demonstrations under the agents' directions increased from 150,000 to 250,000 and the number adopting the practices advocated from 325,000 to 650,000. In addition, it is very evident that the club workers and the county agricultural agents gave increased attention to those phases of extension work dealing with the farm home.

*Food.*—The number of demonstrations in gardening increased from 12,700 to 31,000, but the number of families introducing or modifying garden practices remained practically the same. It is apparent that there was increased activity in introducing the home orchards in order that there might be plenty of fruit in the diet.

Although the quantity of fruit and vegetables canned in 1921 was not as large as in 1920, the reports indicate that this phase of the work was not neglected. There were considerable areas where the late frost practically destroyed all fruit and also where the products of the garden were limited on account of drought conditions. However, 2,645,000 containers of fruit and 6,900,000 of vegetables were put up. In addition to this work, 715,000 pounds of poultry and meat were canned and 3,900,000 pounds of sausages and 9,500,000 pounds of meat were cured.

Probably the most effective work in improving the diet of the farm family was that in connection with the campaign for increased use of milk. The reports indicate that 5,500 schools improved the quality of the noon-day lunch, especially by the introduction of more milk in some form. Altogether the agents report that 175,000 children were benefited by the increased use of milk.

It is also interesting to note that 3,300,000 pounds of butter were made, according to the directions of the extension agents, of which 1,500,000 pounds were sold at a price considerably above that received for ordinary country butter. In addition, the farm women sold 750,000 gallons of cream.

*Clothing.*—On account of the high prices of cloth and clothing during 1921, the number of farm women enrolling as demonstrators in this project was larger than in any of the projects reported. Sixty-six thousand women enrolled as demonstrators, with a result that 110,000 families adopted one or more of the suggestions and made 105,000 new garments, remodeled 37,000, made 48,500 dress forms, and 7,500 hats. Altogether 400,000 articles of clothing were made or remodeled. Records show that in communities in which extension work was conducted more adopted the dress-form project than any other.

*Household management.*—Extension work not only aids the farm woman in selecting foods and clothing but also helps her to reorganize or equip her home so that she can conduct her work with the least expenditure of energy and in surroundings that will contribute to greater happiness and healthfulness. During 1921 an increasing demand was made on the time of extension agents for assistance in planning improvements of the home and its surroundings. As a result, 11,000 demonstrations were conducted and 21,300 families adopted the suggestions offered. Among the suggestions adopted were the building or remodeling of 12,500 farm homes, the arrangement of 7,000 kitchens, installing 5,000 water systems, purchasing 3,000 washing machines and 4,000 pressure cookers, screening 65,000 homes, installing 4,000 septic tanks and 7,000 lighting systems, and the surroundings of 55,000 farm homes were improved.

#### WORK WITH NEGROES.

During 1921 the regular extension workers faced successfully an extremely discouraging situation. The price of cotton and the general agricultural depression in the South found many of the negroes very much impoverished and discouraged.



The agents' reports indicate, however, that they secured the cooperation of over 14,000 negro farmers who conducted demonstrations under their supervision on 70,000 acres of land, the demonstrations dealing principally with corn, cotton, wheat, oats, cowpeas, peanuts, Irish and sweet potatoes, and tomatoes. As a result of following the agents' instructions, the negro farmers increased their yields on an average of 50 per cent above those obtained with ordinary methods.

Nine thousand negro boys were enrolled in the crop clubs and nearly 6,000 in the live-stock clubs. The total value of the crops and live stock produced aggregated \$230,000.

The returns indicate that 2,500 poultry demonstrations were conducted, 2,300 purebred flocks established, 1,400 family cows were secured, over 5,000 farm homes remodeled or improved, and nearly 12,000 screened against flies and mosquitoes. In a large number of instances the homes were improved by the establishing of sanitary privies and septic tanks and the planting of trees, shrubs, and flowers. Fifteen hundred head of cattle, 4,000 swine, and 2,500 horses were treated for the common animal diseases; nearly 20,000 home gardens were planted; 5,300 farmers were induced to plant cover crops for soiling purposes; and 3,500 farmers grew grazing crops for live stock for the first time under the agents' instructions.

The work with women and girls comprised 3,300 women's clubs with an enrollment of 21,000 and 2,500 girls' clubs with an enrollment of 17,000. Through these organizations 21,000 garden demonstrations and 13,000 canning demonstrations were given. The total number of containers of fruit and vegetables canned was 225,000, over a half million pounds of meat were cured or canned, and over 40,000 farm or home conveniences were established.

On the whole the work with negroes during 1921 showed considerable progress and indicated that it is filling a long-felt need among the people.

### FARMERS' INSTITUTES.

During the year ended June 30, 1921, farmers' institutes were officially in charge of the State government in 15 States, while in the remaining 33 States they were in charge of the extension division of the agricultural colleges. A total of 33 States conducted farmers' institutes during the year, 5 of which have not made reports.

A compilation of data comprising the reports received from 28 States which held farmers' institutes during the year shows that 4,676 farmers' institutes, lasting in the aggregate 6,153 days, and comprising 10,502 sessions, with an attendance of 1,262,839 persons, were held in the United States in 1921. There were employed in this work 1,137 lecturers, at a cost of \$267,650.84, divided between State appropriations of \$244,947.46 and those from other sources, mostly local, amounting to \$22,703.38.

Pennsylvania transferred its farmers' institute activities from the State department of agriculture to the extension division of the agricultural college, while Kentucky, which did likewise a few years ago, has now reversed the control of its farmers' institutes.

Detailed information regarding farmers' institutes in the several States is contained in the tables on page 15.

Notes on the progress of extension work in foreign countries are prepared from time to time and distributed to farmers' institute and other extension workers.

### SUMMARY.

Summarizing the results of the cooperative extension activities in 1921, extension workers came in contact with and assisted in the improvement of farm and farm home practices of over 2,000,000 farmers, 650,000 farm women, and 500,000 boys and girls.

The cost of the entire extension system could be paid for from the results of extension work with either rodent or pest control, improved corn production, or marketing alone.

Tables 3, 4, and 5 summarize some of the outstanding results of extension work in 1921, with comparisons for earlier years, and also with data from the census of 1920 which it is thought may serve to indicate the extent to which the extension work is influencing farm and home practices on the 6,450,000 farms in 45,000 local communities of the United States.

Table 3 (p. 18) relates to those extension activities which affect the farm as a whole, and gives the number of demonstrations, the number of people adopting specified practices, and the total number of farmers in the United States who are growing a particular type of crop or live stock. For example, the table shows that there were 4,900,000 farmers growing corn in 1920; that the average number of demonstrations for the last three years has been approximately 9,400; that 235,000 farmers were influenced to select their seed corn in the fall, or a little over 3 per cent; and that about 5 per cent of the farmers were influenced to test their seed corn and less than 1 per cent to secure the improved seed.

Table 4 (p. 20) deals with those extension activities which especially affect the farm home, such as poultry raising, gardening, and food conservation, which particularly concern the food supply of the farm family, as well as clothing and home equipment. The table shows, for example, that there were in the United States in 1921 5,000,000 home gardens contributing to the family food supply and that through the extension work 260,000 gardens were established or improved, thus materially increasing and improving the farm home food supplies and income. Moreover, 9,500,000 containers of canned fruit and vegetables, 715,000 pounds of poultry and meat canned, 2,600,000 pounds of lard, 3,900,000 pounds of sausage, and 9,430,000 pounds of cured meat were conserved by farm women in 1921.

Table 5 (p. 22) relates to boys' and girls' club work, showing the number of club members enrolled and those completing satisfactory work at the end of the year; and, in addition, the number of persons taking up farm or home enterprises for the first time as farm operators or as head of the household. The table shows, for example, in connection with corn that 192,000 farmers took up corn production as farm operators for the first time in 1921, and that through club work 27,500 boys were being trained in corn growing, 12,000 completing the work.



## STATISTICS.

TABLE 1.—*Farmers' institutes conducted by the State departments of agriculture, year ended June 30, 1921.*

State.	Number of institutes.	Total number of days of institutes.	Total number of sessions.	Total attendance.	Number of lecturers.			Amount of State appropriation used for institutes.	Other funds used.
					From official State institute staff.	From agricultural college or experiment station staff.	Total number of lecturers.		
Delaware.....	20	20	47	4,000	4	8	12	\$450.00	
Illinois.....	92	332	1,059	110,529	122	42	164	60,100.00	\$8,130.32
Iowa.....	57	177	352	55,553	32	63	95	3,543.52	182.14
Kentucky.....	22	33	70	7,443	6	2	8	3,499.29	
Maine.....	35	42	50	4,000	10	10	20	4,000.00	1,000.00
Massachusetts.....	118	122	132	17,834	9	14	23	588.98	
Missouri.....	480	480	583	180,331	25	4	29	9,990.31	
New Hampshire.....	15	15	30	2,250	5	5	10	1,760.86	
New Jersey.....	90	91	153	10,550	41	68	109	3,023.98	
North Dakota.....	122	157	300	46,815	8	24	32	14,000.00	
Pennsylvania.....	199	204	416	43,298	29	22	51	40,000.00	
Rhode Island.....	22	22	22	1,660	7	3	10	318.79	
Texas.....	594	614	614	32,919	18		18	33,609.14	
Total, 1921.....	1,866	2,309	3,828	517,182	316	265	581	174,884.87	9,312.46
1920.....	2,991	3,150	4,651	528,177	412	265	677	157,888.65	7,112.36
1919.....	1,917	2,622	3,732	576,331	266	170	540	87,546.60	7,069.91
1918.....	2,370	2,858	4,806	863,624	284	146	815	89,430.96	41,978.36
1917.....	3,034	3,965	7,504	997,377	253	177	454	120,005.11	43,588.81
1916.....	4,485	4,851	9,225	1,111,577	419	225	644	127,459.87	51,786.72
1915.....	4,508	5,791	12,167	1,785,215	259	196	516	208,175.56	44,026.61

No institutes held in Vermont. No report received from Alabama.

TABLE 2.—*Farmers' institutes conducted by the extension department of State agricultural colleges, year ended June 30, 1921.*

State.	Number of institutes.	Total number of days of institutes.	Total number of sessions.	Total attendance.	Number of lecturers.			Amount of State appropriation used for institutes.	Other funds used.
					From extension staff.	From outside sources.	Total number of lecturers.		
Colorado.....	7	13	13	427		7	7	\$1,279.50	
Florida.....	1,010	1,284	1,284	55,000	60	15	75		
Georgia.....	36	36	36	7,725	6	1	7	2,500.00	
Indiana.....	449	564	1,152	165,775	23	34	57	5,741.56	\$13,240.92
Maryland.....	90	90	176	11,440	19	13	32		
Montana.....	63	130	194	10,250	34	15	49	10,000.00	
Nevada.....	1	3	6	150	6	5	11		
New York.....	247	249	478	21,791	12	15	27	17,754.70	
Ohio.....	349	698	1,724	314,658	8	42	50		
South Dakota.....	59	119	158	29,116	11	28	39	4,136.12	
Tennessee.....	3	9	20	2,300	14	48	62	2,000.00	
Utah.....	136	66	136	8,425	6		6		
Virginia.....	1	3	6	600	10	6	16	504.18	150.00
West Virginia.....	126	126	252	10,909	5	9	14	4,867.14	
Wisconsin.....	233	454	1,039	107,091	65	39	104	21,279.39	
Total, 1921.....	2,810	3,844	6,674	745,657	279	277	556	70,062.59	13,390.92
1920.....	7,154	7,581	27,359	1,795,497	386	342	728	93,773.88	42,607.76
1919.....	2,625	3,059	6,356	691,763	267	228	505	86,167.49	23,103.98
1918.....	4,571	4,326	9,640	1,053,082	401	796	1,178	95,032.28	34,384.49
1917.....	3,958	5,471	11,348	1,389,553	477	489	966	132,290.55	84,186.46
1916.....	4,707	5,935	12,461	1,504,876	343	609	952	153,572.22	37,601.55
1915.....	4,552	4,799	9,074	1,039,501	277	2,422	2,608	129,811.78	21,032.45

No institutes held in Arizona, Arkansas, California, Idaho, Michigan, Mississippi, Nebraska, New Mexico, North Carolina, Oklahoma, Oregon, South Carolina, and Washington.

No reports received from Connecticut, Kansas, Minnesota, and Wyoming.

In Louisiana records were destroyed by fire.

TABLE 3.—*Important results of extension work and facts indicating size of extension problem.*

FARM DEMONSTRATION WORK.					
Some of the results of extension work.					
Item.	Form of activity.	1918	1919	1920	1921
Cotton.....	Demonstrations reported.....	5,700	4,625	4,200	4,100
	Farmers selecting seed.....	170,000	112,000	125,000	110,000
	Planted purebred or selected seed.....	13,350	17,701	10,000	10,750
	.....farmers.....	7,800	14,000	8,000	7,250
	.....acres.....			290,000	290,000
	Acres treated.....	35,000	91,000	170,000	125,000
	Total farmers influenced.....	195,000	160,000	178,000	153,000
	Offered improved seed for sale.....				2,800
	Secured improved seed.....				8,000,000
	.....pounds.....				25,200
Corn.....	Demonstrations reported.....	21,000	8,900	9,400	9,800
	Acres planted with selected seed.....	3,700,000	7,250,000	2,500,000	1,600,000
	Secured seed corn.....			12,000	43,200
	.....farmers.....			60,000	135,000
	.....bushels.....			2,900	8,200
	Offered seed corn for sale.....			160,000	365,000
	Tested seed corn.....	55,000	165,000	67,000	64,500
	.....farmers.....			300,000	240,000
	.....bushels.....			1,750,000	1,500,000
	Selected seed corn in the fall.....	1,000,000	4,000,000	150,000	160,000
Wheat.....	Demonstrations reported.....	375,000	250,000	1,000,000	930,000
	Purchased seed wheat.....	10,907	7,650	3,500	5,070
	.....farmers.....			17,000	24,000
	.....bushels.....			650,000	750,000
	Offered seed wheat for sale.....			10,000	5,800
	Farmers treated seed wheat for smut.....			1,200,000	2,260,000
	.....farmers.....			40,000	41,000
	.....bushels.....			2,500,000	2,500,000
	.....acres.....			2,000,000	2,800,000
	Demonstrations reported.....				4,800
Oats.....	Offered seed oats for sale.....	7,730	3,103,000	3,080	6,500
	.....farmers.....			1,600	930,000
	.....bushels.....			325,000	10,000
	Bought seed oats.....			4,100	285,000
	.....farmers.....			200,000	53,000
	.....bushels.....			41,000	1,250,000
	Treated seed oats.....	100,000	100,000	1,250,000	750,000
	.....bushels.....	2,725,000	2,800,000	600,000	
	.....acres.....	1,850,000	1,700,000		

Size of the extension problem.  
(6,450,000 farms in United States).

1,900,000 farmers grew 3,700,000 acres.  
Average annual loss, insect pests, 9.7 per cent.  
Average annual loss, plant diseases, 2 per cent.

4,900,000 farmers planted 88,000,000 acres.  
80 per cent consumed on farms where grown.  
700,000 farmers sold 450,000,000 bushels of corn.  
Average annual loss, insect pests, 2.7 per cent.

2,220,000 farmers grew 73,000,000 acres.  
Average annual loss, insect pests, 2.1 per cent.  
Average annual loss, plant diseases, 2.7 per cent.

2,245,000 farmers grew 38,000,000 acres.  
75 per cent consumed on farms where grown  
470,000 farmers sold 275,000,000 bushels oats.  
Average annual loss, plant diseases, 1.7 per cent

Irish potatoes...	Demonstrations reported.....	number.....	5,509	6,380	8,090	7,400	2,900,000 farmers planted 3,300,000 acres.
	Offered seed potatoes for sale.....	farmers.....			2,600	10,000	680,000 farmers sold 170,000,000 bushels.
	Purchased seed potatoes.....	bushels.....			750,000	1,300,000	
	Treated seed.....	farmers.....			12,000	28,500	80 per cent of potatoes consumed on farms home grown.
	Sprayed seed potatoes.....	farmers.....			300,000	550,000	42 per cent consumed on farms where grown.
Sweet potatoes.		acres.....	21,600	43,500	40,000	41,000	Average annual loss, plant diseases, 4.4 per cent.
	Demonstrations reported.....	farmers.....	146,000	202,000	155,000	270,000	Average annual loss, insect pests, 3.2 per cent.
	Planted with treated seed.....	acres.....			30,000	31,000	1,410,000 farmers planted 800,000 acres.
		number.....	3,000	3,300	90,000	145,000	In South 85 per cent of potatoes consumed on farms home grown.
	New storage houses built.....	acres.....	4,600	9,300	1,500	34,400	
Crops, general.	Farmers adopted definite cropping and live-stock system, number.....	capacity bushels.....			10,800	1,162	2,800,000 farmers reported \$325,000,000 expended for fertilizer.
	Farmers used commercial fertilizer.....	system, number.....	47,000	47,000	45,000	35,000	3,500,000 farmers reported \$1,100,000,000 expended for feed.
	Used lime.....	farmers.....	260,000	265,000	230,000	275,000	85 per cent hay consumed on farms where grown.
	Cleared rodents.....	tons.....	38,000	52,000	35,000	37,000	
	Cleared insects (grasshoppers).....	farmers.....	1,240,000	1,450,000	680,000	550,000	
Legumes.....		farmers.....		176,000	80,000	70,000	
	Demonstrations reported.....	acres.....			16,000,000	13,500,000	
	Farmers planted alfalfa.....	number.....	2,600	4,775	3,400,000	2,250,000	Clover, 330,000 farms; 2,450,000 acres.
	Demonstrations reported.....	do.....	24,000	38,600	4,600	3,500	Alfalfa, 545,000 farms; 5,000,000 acres.
		do.....	775	725	22,200	30,000	Timothy and clover, 1,200,000 farms; 20,000,000 acres.
	Farmers planted red clover.....	do.....	93,000	19,500	18,800	20,000	Hay and forage (all kinds), 4,330,000 farms; 82,000,000 acres.
	Demonstrations reported.....	do.....	3,250	4,450	4,400	4,100	85 per cent of hay consumed on farms where grown.
	Farmers planted soy beans.....	do.....	39,000	44,500	38,000	50,000	625,000 farmers sold 13,000,000 tons of hay and forage.
	Demonstrations reported.....	do.....	2,600	2,600	3,550	4,600	3,500,000 farmers reported \$1,100,000,000 expended for feed.
	Farmers planted cowpeas.....	do.....	52,500	49,000	47,000	50,000	
	Demonstration reported.....	do.....	1,625	1,650	3,250	3,600	
	Farmers planted velvet beans.....	do.....	153,000	28,500	37,000	45,000	
	Demonstrations reported.....	do.....	1,225	1,200	2,200	1,500	
	Farmers planted peanuts.....	do.....	84,000	28,000	33,000	18,000	
	Demonstrations reported.....	do.....	1,400	1,100	1,100	1,200	
	Farmers planted crimson clover.....	do.....	10,000	10,300	14,900	17,000	
	Legumes plowed under.....	acres.....	235,000	230,000	260,000	310,000	
	Total demonstrations, legumes.....	number.....	25,000	28,000	18,000	26,500	
		acres.....	730,000	1,065,000	765,000	885,000	
	Total farmers adopting practices or introducing legumes.....		665,000	420,000	260,000	350,000	



TABLE 3.—*Important results of extension work and facts indicating size of extension problem—Continued.*

## FARM DEMONSTRATION WORK—Continued.

Item.	Some of the results of extension work.				Size of the extension problem. (6,450,000 farms in United States).
	Form of activity.	1918	1919	1920	1921
Orchards.....	Demonstrations reported.....	22,500	25,500	28,400	36,000
	Pruned trees.....	number.....	.....	29,000	40,000
	.....farmers.....	.....	.....	3,500,000	4,000,000
	Sprayed trees.....	.....	.....	30,000	37,000
Gardens.....	.....trees.....	.....	.....	4,200,000	6,000,000
	Trees sprayed or pruned.....	.....	.....	.....	.....
	.....farms.....	60,000	72,600	.....	.....
	.....trees.....	6,500,000	7,500,000	.....	.....
Dairying.....	Farmers introduced or improved.....	658,000	554,000	250,000	260,000
	Demonstrations reported.....	2,400	2,200	1,950	4,900
	Purebred dairy bulls secured.....	7,450	12,300	6,200	6,800
	Purebred dairy cows secured.....	20,150	26,900	40,600	16,100
Beef cattle.....	Cow-testing associations.....	353	385	468	452
	Cow-testing associations with members.....	9,850	10,000	12,000	11,200
	Cow-testing associations with cows.....	175,000	167,300	205,000	194,000
	Club members handled dairy animals.....	.....	.....	.....	.....
Beef cattle.....	.....club members.....	.....	.....	4,400	4,500
	Cattle tested for tuberculousis.....	.....	.....	4,900	4,800
	Demonstrations reported.....	80,000	205,000	270,000	1,100,000
	Club members handled beef animals.....	805	1,070	2,600	2,320
Beef cattle.....	.....club members.....	.....	.....	2,450	1,300
	.....beef animals.....	.....	.....	2,700	1,300
	Purebred beef bulls secured.....	4,330	3,465	6,000	5,416
	Purebred beef cows secured.....	13,475	11,700	11,200	6,312
Beef cattle.....	Cattle vaccinated for blackleg.....	760,000	1,020,000	610,000	500,000
	.....	.....	.....	.....	.....

Size of the extension problem.  
(6,450,000 farms in United States).Apples, 3,000,000 farms; 115,000,000 trees bearing fruit,  
36,000,000 trees not bearing fruit.Peaches, 1,850,000 farms; 66,000,000 trees bearing fruit,  
22,000,000 trees not bearing fruit.Pears, 1,300,000 farms; 15,000,000 trees bearing fruit,  
6,000,000 trees not bearing fruit.

375,000 farmers sold 100,000,000 bushels.

28 per cent of apples consumed on farms where grown.

65 per cent of fruit consumed on farms home grown.

Average annual loss, plant diseases, 3.7 per cent.

Average annual loss, insect pests, 3.6 per cent.

5,100,000 home gardens, value \$345,000,000.

80 per cent of garden produce consumed on farms home  
grown.

4,400,000 farms reported 31,400,000 dairy cattle.

675,000 farms reported 770,000 dairy bulls 1 year old.

205,000 farms reported 195,000 purebred dairy bulls.

710,000 farms reported sale of milk, 2,530,000,000 gallons.

875,000 farms reported 530,000,000 pounds butter fat sold.

445,000 farms reported 82,200,000 gallons cream sold.

70 per cent of butter consumed on farms home made.

95 per cent of milk consumed on farms home produced.

1,800,000 farmers reported 35,400,000 beef cattle.

430,000 farmers reported 732,000 bulls 1 year old.

205,000 farms reported 390,000 purebred beef bulls.

25-50 per cent of beef consumed on farms home grown.



Swine.....	Demonstrations reported.....	7,900	6,850	4,900	6,325	4,645,000 farms reported 59,400,000 swine.
	Purebred boars secured.....	15,600	17,000	13,000	15,000	345,000 farms reported purebred swine.
	Club members handled swine.....			21,700	26,000	765,000 farms reported 975,000 boars 6 months old.
				70,000	30,000	1,850,000 farms sold 40,000,000 swine.
	Hogs vaccinated for hog cholera.....	1,580,000	2,650,000	1,150,000	900,000	4,565,000 farms slaughtered 16,800,000 swine.
						Annual losses from swine from diseases and exposure 3,750,000.
Livestock, general.	Demonstrations reporting (all kinds) live stock, number.....	18,600	20,100	15,500	21,700	Over 80 per cent of pork consumed on farms home grown.
	Farmers changed system of feeding.....					3,163,000 farms raised 62,000,000 pigs.
	Farmers introduced legumes into cropping system.....	40,000	50,000	50,000	130,000	465,000 purebred sheep reported.
	Farmers enrolled in "purebred better sire cam- paign.".....	655,000	420,000	260,000	350,000	300,000 farms reported 35,000,000 sheep.
	Head of cattle.....			64,000	88,000	300,000 farms reported 20,000,000 sheep sold.
	Head of sheep.....			55,000	64,000	Annual losses of cattle from diseases and exposure 2,600,000.
	Head of swine.....			30,000	41,000	
	Head of horses.....			6,700	10,000	
	Bull associations.....	44	78	123	158	
	Bull associations with members.....	1,900	2,978	4,150	5,065	
	Bull associations with purebred bulls.....	225	371	575	672	
	Bull associations with purebred cows.....	597	2,086	4,300	5,475	
	Bull associations with other.....	10,250	16,160	23,000	26,500	
	Purebred rams secured.....	6,000	7,000	4,000	2,800	
	Live stock breeders associations organized during year, number.....				900	
Poultry.....	Demonstrations in connection with animal dis- eases, number.....				24,000	
	Total number animals treated.....				60,000	
	Demonstrations reporting.....				3,750,000	4,600,000 farms raised 475,000,000 fowls.
	Farmers adopting practices.....	7,500	11,500	15,300	31,200	5,360,000 farms produced 1,660,000,000 dozen eggs.
	Raised fowls.....			250,000	260,000	2,700,000 farms sold 140,000,000 fowls.
Farm manage- ment.	Flocks culled.....			6,000,000		4,100,000 farms sold 1,000,000,000 dozen eggs.
	Chickens handled.....			30,000	85,000	Over 95 per cent of poultry and eggs consumed on farms home produced.
	Chickens eliminated.....				5,000,000	
	Account books, distributed.....	95,000	100,000	50,000	1,600,000	2,890,000 farms reporting \$1,355,000,000 expended for labor.
					65,000	
Marketing.....	Persons keeping systematic records.....					
	Farmers changing cropping or live-stock system.....	56,000	60,000	20,000	50,000	512,000 farms reported \$720,000,000 through farmers' market- ing organizations.
	Total value business done through cooperative as- sociations organized during the year or preceding year.....	47,000	47,000	45,000	35,000	330,000 farmers purchased \$85,000,000 through farmers' mar- keting organizations.
	Saving.....	\$52,000,000	\$95,000,000	\$435,000,000	\$310,000,000	
	Value of business done by associations organized during year.....	5,000,000	10,000,000	28,000,000	20,000,000	
	Saving.....			96,000,000	77,000,000	
				9,500,000	9,325,000	



Dairying, home	Demonstrations reported.....	number.....	12, 000	3,600,000 farms made 710,000,000 pounds of butter.
	Families adopting suggestions.....		45, 000	1,270,000 farms sold 210,000,000 pounds of butter.
	Pounds butter made.....	650, 000	3, 300, 000	710,000 farms reported sale of milk.
	Pounds butter sold by women.....		1, 550, 000	445,000 farms reported sale of cream.
	Cream sold by women.....	2, 500, 000	750, 000	875,000 farms reported sale of butter fat.
	Children benefited by increased use of milk.....	pounds.....	175, 000	95 per cent of milk used home produced.
	Enrolled in school-lunch program.....	gallons.....	5, 500	70 per cent of butter used home made.
	Demonstrations reported.....	schools.....	200, 000	5,600,000 farms produced 475,000,000 fowls and 1,660,000,000 dozen eggs.
	Families adopting practices.....	children.....	31, 200	3,000,000 farms sold 153,000,000 fowls.
	Flocks culled.....	number.....	5, 000, 000	3,850,000 farms sold 926,000,000 dozen eggs.
Poultry.....	Chickens handled.....			Over 95 per cent of poultry and eggs consumed on farms home produced.
	Chickens eliminated.....		1, 600, 000	
	Demonstrations reported.....	number.....	65, 700	
	Families adopting suggestions.....		111, 110	
	New garments.....	40, 000	105, 000	
	Remodeled.....	25, 000	37, 000	
	Dress forms made.....	9, 000	48, 500	
	Hats made.....	7, 500	50, 000	
	Articles clothing made or remodeled.....	250, 000	400, 000	
	Demonstrations reported.....	number.....	11, 000	Farm homes: 42.5 per cent owned free; 20.3 per cent mortgaged; 37.2 per cent rented.
The home management and arrangement.	Families adopting suggestions.....		21, 300	30,000,000,000 hours household labor performed by women in farm homes during 1921.
	Homes built or remodeled.....		12, 500	645,000 farm homes have piped water.
	Kitchens rearranged.....	6, 400	7, 000	2,500,000 farm homes have telephones.
	Water systems installed.....	12, 000	5, 000	85 per cent of farm homes have outdoor toilets.
	Washing machines purchased.....	3, 000	3, 000	
	Pressure steam cookers purchased.....	5, 000	4, 000	
	Homes screened.....	70, 900	65, 000	
	Septic tanks installed.....		4, 000	
	Improved home surroundings.....	33, 000	55, 000	
	Lighting systems installed.....	12, 000	7, 000	



TABLE 5.—*Important results of extension work and facts indicating size of extension problem.*

## CLUB WORK.

Item.	Year.	Reporting.		Enrolled.		Number of persons taking up specified farm or home enterprises for the first time as a farm operator or head of household.
		Boys.	Girls.	Boys.	Girls.	
All club work.....	1921	102,639	182,790	198,611	301,323	.....
	1920	80,000	124,000	200,000	245,000	.....
Cotton.....	1921	700	.....	2,525	.....	68,000
	1920	975	.....	5,630	.....	.....
Corn.....	1921	12,200	200	27,550	300	.....
	1920	8,200	.....	29,000	.....	192,000
Potatoes.....	1921	4,600	750	12,500	1,285	.....
	1920	4,400	800	10,900	1,500	128,000
Pigs.....	1921	24,375	1,750	50,475	2,600	.....
	1920	20,000	1,700	54,300	2,275	186,000
Dairy cattle.....	1921	4,660	800	7,050	1,175	.....
	1920	3,700	725	7,100	1,200	205,000
Beef cattle.....	1921	3,175	325	4,900	425	.....
	1920	2,050	400	4,900	500	.....
Poultry.....	1921	15,100	22,300	28,350	38,000	.....
	1920	8,000	15,000	22,000	49,000	224,000
Gardens.....	1921	19,000	26,400	31,000	49,500	.....
	1920	28,000	<sup>1</sup> 62,500	46,800	<sup>2</sup> 130,000	260,000
Canning.....	1921	850	30,350	1,250	51,000	.....
	1920	450	<sup>1</sup> 52,000	800	<sup>2</sup> 110,000	260,000
Clothing.....	1921	.....	57,000	.....	95,500	.....
	1920	200	<sup>1</sup> 55,000	280	<sup>2</sup> 113,000	260,000

<sup>1</sup> 38,400,000 included also in canning, clothing, and gardening.<sup>2</sup> 84,000,000 included also in canning, clothing, and gardening.



TABLE 6.—Expenditures for cooperative agricultural extension work for the year ended June 30, 1921, by items of expense.

EXPENDITURES FROM THE UNITED STATES APPROPRIATION OF MAY 8, 1914 (FEDERAL SMITH-LEVER).

State.	Amount of appropriation.	Salary.	Labor.	Publications.	Stationery and small printing.	Postage, telegraph, telephone, freight and express.	Heat, light, water, and power.	Supplies.	Library.	Tools, machinery and appliances.	Furniture and fixtures.	Scientific apparatus and specimens.	Live stock.	Traveling expenses.	Continuing expenses.	Unexpended balance.
Alabama.....	\$174,770.62	\$129,021.78	\$2,035.15	\$641.15	\$3,679.74	\$1,606.45	\$197.78	\$840.93	\$171.84	\$28,80	\$1,313.66	\$99.74	.....	\$35,068.46	\$35.14	.....
Arizona.....	23,151.95	15,856.47	2.85	663.40	809.43	213.52	.....	80.38	.....	46.75	577.26	.....	.....	4,594.39	307.50	.....
Arkansas.....	137,867.77	53,228.60	503.37	1,617.28	930.89	2,003.88	184.31	734.16	148.48	121.16	4,564.52	245.21	.....	70,231.40	3,304.51	.....
California.....	94,620.49	57,068.53	276.78	721.59	5,872.31	1,091.57	.....	369.99	4.50	34.93	813.41	43.43	.....	28,323.51	.....	.....
Colorado.....	46,743.42	38,350.42	108.38	1,448.02	679.86	437.62	.....	106.30	.....	1.75	318.22	.....	.....	5,277.15	5.70	.....
Connecticut.....	20,711.84	18,698.84	.....	.....	.....	1.25	.....	.....	.....	.....	.....	.....	.....	2,011.75	.....	.....
Delaware.....	19,809.51	11,995.01	198.64	580.00	776.30	383.82	9.34	275.60	33.38	41.49	71.10	92.50	.....	5,351.33	1.00	.....
Florida.....	59,733.26	41,695.59	220.08	2,890.71	1,216.64	567.56	11.00	297.68	30.10	6.56	517.71	192.85	.....	12,082.28	4.50	.....
Georgia.....	202,906.59	178,871.81	10.00	.....	111.40	286.91	.....	409.40	.....	209.22	4.25	.....	.....	23,093.60	.....	.....
Idaho.....	38,834.41	28,421.23	13.20	913.55	2,936.46	87.65	.....	89.85	.....	5.75	192.75	.....	.....	3,622.06	1.95	.....
Illinois.....	211,496.84	185,171.30	405.39	2,772.74	2,936.46	1,514.48	.....	144.29	121.91	.....	1,285.76	1.00	.....	17,080.91	63.60	.....
Indiana.....	155,137.82	131,079.48	363.50	3,330.55	2,102.19	173.05	.....	69.06	6.65	23.27	112.85	.....	.....	17,876.22	.....	.....
Iowa.....	153,989.02	136,273.62	75.00	.....	490.26	339.49	.....	89.45	.....	.....	13.50	22.50	.....	16,685.20	.....	.....
Kansas.....	121,591.85	94,151.53	139.37	5,439.96	3,789.53	113.75	.....	248.53	17.65	53.75	666.39	42.47	.....	16,927.44	1.50	.....
Kentucky.....	171,676.01	71,974.85	2,559.22	1,513.93	2,130.82	1,690.54	2,250.00	964.07	41.26	19.25	1,263.57	625.60	.....	86,430.37	212.50	.....
Louisiana.....	118,116.19	106,573.18	626.50	24.12	744.99	631.44	400.00	809.29	.....	13.61	449.53	.....	.....	7,638.51	205.00	.....
Maine.....	43,643.48	26,094.63	46.31	924.51	1,394.14	220.04	25	140.27	6.65	32.12	1,262.51	10.88	.....	13,491.57	19.60	.....
Maryland.....	69,391.61	54,850.90	4.20	552.27	972.00	235.79	.....	176.37	22.52	49.50	162.09	233.73	.....	11,167.93	881.05	\$83.26
Massachusetts.....	32,469.07	31,597.70	60.00	70.22	.....	11.81	.....	.....	.....	.....	.....	.....	.....	729.34	.....	.....
Michigan.....	148,248.21	101,335.87	5,746.89	3,178.31	8,315.37	1,243.40	.....	910.51	57.63	67.22	855.88	70.07	.....	26,455.70	9.36	.....
Minnesota.....	124,225.55	98,082.11	1,254.10	1,838.85	1,666.24	943.93	.....	330.95	4.55	.....	246.28	.....	.....	19,853.79	4.75	.....
Mississippi.....	158,191.67	113,627.79	1,304.25	1,736.18	2,859.63	1,740.76	578.69	776.52	29.14	41.49	943.84	25.66	.....	34,131.13	406.59	.....
Missouri.....	186,595.37	135,987.82	1,084.35	4,244.14	5,133.47	1,503.33	.....	1,811.71	31.76	1,918.93	3,474.60	358.47	.....	30,398.48	651.31	.....
Montana.....	32,616.73	27,110.30	131.31	1,979.74	461.27	182.06	6.31	113.45	.....	.....	69.35	.....	.....	2,562.94	.....	.....
Nebraska.....	92,155.17	83,089.53	.....	2,270.61	1,126.65	657.60	.....	122.87	79.61	21.85	52.40	1.34	.....	4,726.25	6.46	.....
Nevada.....	16,385.90	13,621.72	134.44	.....	239.58	97.32	.....	37.78	3.30	2.22	21.95	30.20	.....	2,161.09	3.30	.....
New Hampshire.....	26,356.50	15,929.34	517.06	511.74	1,643.68	644.99	300.00	247.38	4.25	63.73	263.13	88.09	.....	6,131.51	11.58	.....
New Jersey.....	68,720.74	43,134.46	673.10	130.78	2,479.64	1,111.99	.....	1,211.33	99.81	264.71	1,055.61	88.08	.....	18,231.16	240.07	.....
New Mexico.....	35,167.92	24,468.63	366.63	1,663.65	576.04	335.46	.....	43.62	.....	2.10	136.65	424.25	.....	8,150.89	.....	.....
New York.....	189,727.52	145,193.54	1,013.41	5,218.95	6,107.59	2,765.78	1.05	2,363.88	268.09	614.85	2,927.17	204.00	.....	21,364.73	32.08	1,652.40
North Carolina.....	185,970.33	136,027.74	324.75	5,236.99	3,004.37	1,458.43	.....	475.13	22.75	155.63	2,089.77	21.50	.....	36,526.78	626.49	.....
North Dakota.....	57,895.11	46,491.67	547.51	1,209.86	1,822.65	1,119.42	.....	397.73	.....	.....	1,422.28	51.20	.....	4,788.21	44.58	.....
Ohio.....	205,933.50	158,554.89	5,563.44	11,370.32	3,281.51	1,662.11	.....	613.75	78.00	176.69	510.21	87.25	.....	23,931.17	.....	102.16
Oklahoma.....	134,625.97	107,351.08	638.36	1,516.90	3,392.90	1,184.57	.....	84.53	3.83	3.00	197.52	.....	.....	23,250.68	3.60	.....
Oregon.....	44,088.76	21,479.07	47.19	1,541.95	1,259.94	762.54	.....	127.41	1.55	89.53	315.94	2.70	.....	18,460.94	.....	.....
Pennsylvania.....	292,852.07	165,339.59	1,494.52	597.37	6,585.93	7,841.83	1,030.00	329.20	13.61	142.23	657.31	63.01	.....	31,663.29	38.90	77,035.48

TABLE 6.—*Expenditures for cooperative agricultural extension work for the year ended June 30, 1921, by items of expense*—Continued.

EXPENDITURES FROM THE UNITED STATES APPROPRIATION OF MAY 8, 1914 (FEDERAL SMITH-LEVER)—Continued.

State.	Amount of appropriation.	Salary.	Labor.	Publications.	Stationery and small printing.	Postage, telegraph, telephone, freight and express.	Heat, light, water, and power.	Supplies.	Library.	Tools, machinery and appliances.	Furniture and fixtures.	Scientific apparatus and specimens.	Live stock.	Traveling expenses.	Contingent expenses.	Unexpended balance.
Rhode Island.....	\$11,673.75	\$9,579.04	\$2.35	\$198.50	\$47.83	\$39.28		\$84.40	\$46.33		\$36.15			\$1,639.79		\$0.05
South Carolina <sup>1</sup> .....	130,297.88	96,792.74	7.50	2,922.24	901.97	1,039.20	\$603.55	717.39	66.23	\$5.14	2,596.75	\$157.75		23,986.42	\$155.62	344.38
South Dakota.....	57,279.45	39,208.90	1,199.34	1,573.02	522.21	1,400.27		1,161.75	38.75	54.95	1,041.99	143.05		10,927.20	7.02	
Tennessee.....	172,541.09	95,886.48	2,125.62	5,968.13	3,782.45	2,298.67	340.74	1,043.50	342.45	43.80	2,510.38	140.85		38,647.74	288.10	19,121.18
Texas.....	285,767.43	166,025.89		4,698.37	5,493.53	2,697.94		948.70	284.09	6.80	1,608.45	111.03		95,210.99	1,067.00	7,611.64
Utah.....	28,681.62	24,750.80	52.30	717.70	197.71	30.42		8.96	5.00			224.32		2,636.38		
Vermont.....	27,432.17	19,315.84	458.23	148.49	1,339.84	481.69	2.18	284.27	17.80		487.36			4,895.97	.50	
Virginia.....	157,751.72	122,175.47	1,117.80	3,968.86	3,565.56	1,859.99	334.71	540.28	73.74	8.52	1,301.97	575.61		22,218.36	10.85	
Washington.....	60,005.50	40,058.19	1,478.43	1,677.80	2,022.51	763.68		142.34	45.47	9.60	202.40	614.70		12,990.38		
West Virginia.....	102,549.89	87,928.93	38.45	1,046.51	300.00			156.38			179.62			12,900.00		
Wisconsin.....	133,931.55	128,712.81	120.93	5,097.81												
Wyoming.....	19,577.20	13,914.34	161.40	509.92	412.87	351.81		124.78				.95		4,096.58	4.55	
Total, 1921.....	5,079,999.05	3,692,161.05	35,253.40	95,897.63	94,714.38	829,096	269,912	1,056,122	222,684	4,381.91	38,887.11	5,093.99		920,621.97	8,656.26	105,950.55
<sup>2</sup> 1920.....	4,512,765.63	3,167,490.18	49,783.32	113,311.71	104,688.53	42,254.14	4,614.66	22,408.87	484.66	3,523.37	35,333.55	6,354.39		911,947.11	6,149.87	48,421.27
1919.....	2,580,000.00	1,616,999.04	721.91	105,120.93	108,345.27	43,054.00	2,618.28	25,821.56	232.20	5,794.77	77,579.72	5,950.63	\$898.	20,496,439.74	5,051.79	41,171.96
1918.....	2,080,000.00	1,343,296.39	38,250.63	76,910.28	85,141.13	39,627.12	412.57	24,514.89	1,484.19	4,732.47	51,659.81	3,556.80		394,481.91	1,998.07	11,933.71
1917.....	1,580,000.00	1,118,078.61	19,983.32	43,927.84	34,599.96	20,041.81	1,338.98	18,077.66	1,152.85	6,872.01	25,053.91	3,732.85	70.35	278,867.24	1,346.99	4,945.62
1916.....	1,080,000.00	738,584.75	16,580.89	27,867.77	25,745.46	12,154.06	968.63	15,117.88	1,303.33	9,205.45	24,425.78	4,417.19	52.75	75,201,084.45	415.34	2,076.27
1915.....	480,000.00	322,631.44	6,511.70	8,241.16	9,270.05	5,539.85	146.85	6,193.34	304.56	1,739.53	131.40	2,431.69	162.34	96,402.41	228.41	5,065.27

<sup>1</sup> South Carolina failed to meet the full allotment to that State by \$0.95.

<sup>2</sup> Pennsylvania unable to meet the full allotment to that State by \$67,234.37.



TABLE 7.—*Expenditures for cooperative agricultural extension work for the year ended June 30, 1921, by items of expense.*

EXPENDITURES FROM THE UNITED STATES APPROPRIATION OF MAY 8, 1914 (STATE SMITH-LEVER).

State.	Amount of appropriation.	Salary.	Labor.	Publications.	Stationery and small printing.	Postage, telegraph, phone, freight and express.	Heat, light, water, and power.	Supplies.	Library.	Tools, machinery and appliances.	Furniture and fixtures.	Scientific apparatus and specimens.	Live stock.	Traveling expenses.	Continuing expenses.	Unexpended balance.
Alabama.....	\$164,770.62	\$144,628.90	\$120.62	.....	\$965.59	\$643.63	\$5.00	\$244.71	\$8.43	\$72.38	\$2,171.76	\$88.10	.....	\$15,816.25	\$5.25	.....
Arizona.....	13,151.95	9,881.43	.....	.....	56.45	108.84	7.80	96.03	.....	3.50	.....	64.50	.....	2,914.80	18.60	.....
Arkansas.....	127,867.77	112,253.72	156.67	\$6,923.22	2,024.07	415.60	33.66	180.58	105.51	7.50	1,039.91	18.25	.....	4,065.25	643.83	.....
California.....	84,620.49	80,858.95	105.48	.....	1.85	8.75	.....	47.26	.....	11.45	61.09	.....	.....	3,525.66	.....	.....
Colorado.....	36,743.42	25,313.56	260.92	1,321.68	573.99	65.77	.....	64.31	4.00	15.00	500.10	.....	.....	8,612.50	11.59	.....
Connecticut.....	10,711.84	8,168.84	.....	.....	.....	3.70	.....	.....	.....	.....	.....	.....	.....	2,537.30	.....	.....
Delaware.....	9,809.51	5,387.19	531.24	580.00	262.55	291.11	2.10	144.99	9.66	2.46	398.50	.....	.....	2,199.51	20	.....
Florida.....	49,733.26	37,842.94	6.85	562.38	59.00	96.68	6.35	30.97	10.40	.....	84.51	208.90	.....	10,824.28	.....	.....
Georgia.....	192,996.59	140,884.80	3,144.82	7,354.64	1,022.60	1,709.00	1,442.93	2,480.03	38.00	1,999.37	1,783.37	56.92	.....	31,035.61	44.50	.....
Idaho.....	23,834.44	23,834.44	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Illinois.....	201,496.84	201,496.84	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Indiana.....	145,137.82	145,137.82	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Iowa.....	143,989.02	137,523.17	5,727.72	.....	.....	21.65	.....	3.70	.....	.....	.....	.....	.....	712.78	.....	.....
Kansas.....	111,591.85	97,283.67	8.00	474.71	967.58	110.60	.....	199.17	7.90	15.00	72.08	.....	.....	12,453.24	50	.....
Kentucky.....	161,676.01	158,503.69	416.83	46.82	90.08	92.77	450.00	44.12	.....	.....	58.21	.....	.....	1,934.49	30.00	.....
Louisiana.....	108,116.19	75,906.94	169.20	5,401.26	241.00	665.57	.....	756.47	25.37	20.84	40.05	.....	.....	24,888.49	.....	.....
Maine.....	33,643.48	20,771.96	245.73	.....	863.86	168.01	.....	53.00	44.36	22.96	643.76	10.75	.....	10,819.09	.....	.....
Maryland.....	59,391.61	48,521.22	.....	2,000.00	739.30	336.75	.....	122.52	17.42	.....	101.79	107.00	.....	7,362.35	.....	\$83.23
Massachusetts.....	22,469.07	16,161.74	4.00	.....	616.86	97.19	.....	21.67	.....	.....	.....	.....	.....	5,567.61	.....	.....
Michigan.....	138,248.21	129,461.21	1,551.98	112.69	656.09	367.01	.....	66.23	13.00	9.78	48.76	14.65	.....	5,942.81	4.00	.....
Minnesota.....	114,225.55	114,225.55	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Mississippi.....	148,191.67	118,222.25	424.76	1,514.20	995.63	744.07	424.75	395.06	82.75	29.17	361.23	.....	.....	24,895.19	2.63	.....
Missouri.....	176,595.37	156,550.51	411.78	1,570.49	1,072.72	224.19	.....	191.70	14.05	.....	256.91	.....	.....	16,225.31	77.26	.....
Montana.....	22,616.73	22,616.73	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Nebraska.....	82,155.17	71,539.05	.....	.....	2,660.71	601.29	.....	450.38	17.15	54.27	167.23	9.00	.....	6,638.25	17.84	.....
Nevada.....	6,385.90	2,636.73	205.69	94.04	221.86	104.53	7.50	161.99	50.21	110.92	411.00	5.50	.....	2,264.93	91.00	.....
New Hampshire.....	16,356.50	14,745.64	10.00	990.50	298.24	40	.....	20.32	.....	21.65	225.75	.....	.....	44.00	.....	.....
New Jersey.....	58,720.74	54,466.14	.....	1,946.99	.....	179.02	.....	2.58	.....	.....	3.25	.....	.....	2,122.76	.....	.....
New Mexico.....	26,167.92	18,215.85	202.99	392.15	204.87	922.58	.....	31.54	248.00	4.30	65.48	.....	.....	5,876.66	3.50	.....
New York.....	179,727.52	172,875.12	.....	5,200.00	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1,652.40
North Carolina.....	175,970.33	149,924.48	237.32	5,244.81	610.38	780.99	.....	628.21	32.82	128.83	149.27	.....	.....	18,233.22	.....	.....
North Dakota.....	47,895.11	38,313.52	10.10	.....	16.10	324.21	.....	802.80	.....	.....	.....	.....	.....	8,424.58	3.80	.....
Ohio.....	195,933.50	150,873.89	.....	.....	1,443.81	443.68	.....	207.80	24.84	41.38	539.32	215.40	.....	42,001.22	.....	102.16
Oklahoma.....	124,626.97	105,353.89	664.13	3,100.30	3,532.96	61.33	720.35	29.84	15.50	16.14	126.97	17.55	.....	10,988.01	.....	.....
Oregon.....	34,088.76	34,088.76	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Pennsylvania.....	282,852.07	135,923.04	1,013.09	4,637.83	1,287.20	1,467.40	.....	1,222.62	39.60	97.61	1,199.69	50.17	.....	58,851.25	27.09	77,035.48



TABLE 7.—*Expenditures for cooperative agricultural extension work for the year ended June 30, 1921, by items of expense*—Continued.

EXPENDITURES FROM THE UNITED STATES APPROPRIATION OF MAY 8, 1914 (STATE SMITH-LEVER)—Continued.

State.	Amount of appropriation.	Salary.	Labor.	Publications.	Stationery and small printing.	Postage, telegraph, telephone, freight and express.	Heat, light, water, and power.	Supplies.	Library.	Tools, machinery and appliances.	Furniture and fixtures.	Scientific apparatus and specimens.	Live stock.	Traveling expenses.	Continuing expenses.	Unexpended balance.
Rhode Island.....	\$1,673.75	\$320.30	\$76.30	.....	\$405.14	\$149.04	.....	\$18.95	\$2.16	.....	\$221.70	\$7.23	.....	\$472.36	\$0.52	\$0.05
South Carolina <sup>1</sup> .....	120,297.85	90,958.44	1.50	\$1,659.30	148.50	2,296.54	\$3.25	202.98	25.83	\$57.63	732.67	22.78	.....	23,583.08	261.00	344.38
South Dakota.....	47,279.45	37,547.70	383.20	13.31	2.05	114.75	.....	385.97	4.35	.....	676.00	15.00	.....	8,137.12	.....	.....
Tennessee.....	162,541.09	133,398.24	31.50	5,309.21	1,478.91	73.73	1.00	54.22	.....	.....	1,387.06	15.00	.....	1,650.84	20.20	19,121.18
Texas.....	275,767.43	237,379.52	.....	7,471.76	.....	.....	.....	.....	.....	.....	.....	.....	.....	23,304.51	.....	7,611.64
Utah.....	18,681.62	18,082.02	4.55	.....	6.18	5.04	.....	1.70	.....	.....	.....	.....	.....	582.13	.....	.....
Vermont.....	17,432.17	15,676.88	310.79	.....	226.93	31.85	.....	83.41	7.33	.....	399.85	56.25	.....	602.88	36.00	.....
Virginia.....	147,751.72	124,573.70	.....	4,245.44	.....	135.84	.....	.....	.....	.....	440.65	.....	.....	18,796.74	.....	.....
Washington.....	50,005.50	34,263.76	1,638.72	40.00	483.26	489.17	.....	134.85	22.83	84.64	.....	.....	.....	12,407.62	.....	.....
West Virginia.....	92,549.89	80,355.23	81.17	3,157.30	2,086.76	.....	.....	6.95	.....	.....	.....	.....	.....	6,862.48	.....	.....
Wisconsin.....	123,931.55	69,249.02	1,260.04	5,385.90	1,831.40	2,067.72	.....	2,214.32	15.50	202.45	1,176.15	452.72	.....	39,982.23	94.10	.....
Wyoming.....	9,577.20	9,033.19	118.65	72.65	330.61	.....	.....	.....	.....	.....	22.10	.....	.....	.....	.....	.....
Total, 1921.....	4,593,999.05	3,831,252.18	19,536.34	76,823.58	28,494.09	16,461.40	3,104.69	11,803.95	887.97	3,022.66	15,666.17	1,435.67	.....	484,159.39	1,393.41	105,950.55
<sup>2</sup> 1920.....	4,032,765.63	3,343,649.70	38,978.74	58,956.38	32,318.41	26,754.12	3,357.21	14,152.77	570.09	3,983.45	11,380.64	2,462.67	\$55,304.40	221,837.7	503.05	48,421.27
1919.....	2,100,000.00	1,454,111.77	30,673.30	55,540.79	61,489.27	28,237.75	2,824.06	16,501.16	787.60	2,143.41	27,249.65	2,932.16	45,003.69	769,416	522.71	41,171.96
1918.....	1,600,000.00	1,147,255.62	42,263.69	40,130.89	36,527.87	20,826.08	3,032.65	9,909.71	684.29	3,975.07	18,699.79	1,254.59	.....	259,998.19	3,486.85	11,933.71
1917.....	1,100,000.00	807,924.77	17,080.20	34,822.25	22,986.39	12,441.66	232.44	3,521.16	341.08	2,582.86	12,018.55	2,073.10	.....	171,145.06	1,884.86	4,945.62
1916.....	600,000.00	444,838.61	10,632.39	15,198.34	13,787.31	5,397.94	223.28	7,718.43	208.40	2,210.66	8,339.73	999.38	.....	87,038.02	1,331.24	2,076.27

<sup>1</sup> South Carolina failed to meet the full allotment to that State by \$0.95.

<sup>2</sup> Pennsylvania unable to meet the full allotment to that State by \$67,234.37.

TABLE 8.—*Expenditures for cooperative agricultural extension work for the year ended June 30, 1921, by projects.*  
EXPENDITURES FROM THE UNITED STATES APPROPRIATION OF MAY 8, 1914 (FEDERAL SMITH-LEVER).

State.	Total.	Adminis- tration.	Printing and distri- bution of publica- tions.	County agent work.	Home demon- stration work. <sup>1</sup>	Boys' club work.	Home economics specialists. <sup>2</sup>	Extension schools.	Animal husbandry.	Poultry.	Dairying.	Animal diseases.	Agron- omy.
Alabama	\$174,770.62	\$16,010.86	\$641.15	\$104,997.41	\$29,284.42	\$3,298.01		\$1,429.18	\$169.75		\$1,358.70	\$ 99.10	\$4,325.91
Arizona	23,151.95	8,505.75	663.40	12,586.09	29,290.95	680.31		425.45					
Arkansas	137,867.77	22,944.60	1,647.28	66,645.99	23,575.90			1,004.35		\$3,062.41	4,529.63		
California	46,620.49	4,930.37	721.50	50,473.43	28,777.93	6,220.29							
Colorado	46,743.42	3,401.72	1,448.02	26,743.73	3,650.04	7,961.13			810.65				1,001.98
Connecticut	20,711.84	4,100.00		3,493.00	7,602.00	5,516.84							
Delaware	19,809.51	2,416.31	580.00	10,798.66	7,370.19	5,074.16							
Florida	59,733.26	10,849.46	2,890.71	29,690.91		9,962.76		690.20	3,824.51	1,824.71			
Georgia	202,996.59			120,459.05	82,537.54								
Idaho	33,834.44	1,810.92	913.55	15,570.70	4,507.66	6,674.23			1,738.73		890.23		283.49
Illinois	211,496.84	14,798.05	2,772.74	103,635.09	32,436.63	15,045.87			6,477.42		5,000.00		6,000.00
Indiana	155,137.82	14,392.65	3,330.55	54,420.34	6,463.92	12,666.64		2,826.00	6,723.05	8,160.37	9,001.63		9,452.99
Iowa	153,989.02	5,046.05		65,008.75	14,560.32	14,719.28			5,489.79	5,972.55	7,704.23	3,525.98	7,663.05
Kansas	121,591.85	12,938.87	5,439.96	36,793.42	4,004.09	1,770.25		6,083.41	7,127.47	4,690.75	7,428.45	2,813.75	4,873.39
Kentucky	171,676.01	7,096.38	1,513.96	114,511.24	16,441.37	6,022.21		1,176.24	3,093.09	3,134.87	1,239.27	2,733.22	2,085.48
Louisiana	118,116.19	14,057.18	24.12	57,984.31	33,941.16				1,849.98	1,432.00	1,550.00		2,599.98
Maine	43,643.48	5,041.73	924.51	29,358.69	4,621.87	3,696.68							
Maryland	69,391.61	11,099.94	552.27	36,782.34	11,891.36	1,205.27			274.68	474.31	1,371.25		535.95
Massachusetts	32,469.07	3,910.55	70.22	8,650.88	4,789.64	7,269.62		450.00	579.63	805.50			1,000.00
Michigan	148,248.21	2,735.36	3,178.31	75,515.13	9,317.89	17,781.96			3,023.73	972.06			10,940.34
Minnesota	124,225.55	11,664.94	1,838.85	48,587.17	7,328.21	17,290.92			4,355.86	3,350.00	10,759.75		1,000.00
Mississippi	158,191.67	8,428.01	1,725.18	59,980.80	31,405.10	13,822.70			10,297.32	3,337.26	12,043.75		
Missouri	186,595.37	12,185.75	4,244.14	79,396.66	16,012.59	5,973.77			1,037.91	5,308.29	7,698.93	35.21	10,749.97
Montana	32,616.73	7,853.53	1,979.74	9,875.78	5,530.54	3,974.87			375.00				
Nebraska	92,155.17	9,030.67	2,270.61	40,371.61	5,967.24	10,879.95			1,037.91	3,166.35	1,379.15		2,168.73
Nevada	16,385.90	5,276.17		3,826.01	2,469.32	3,661.60					777.80		
New Hampshire	16,356.50	4,549.87	511.74	7,650.59	2,469.15	4,765.76							
New Jersey	68,720.74	12,876.58	130.78	26,193.26	5,204.69	12,209.24				691.26	2,558.42		1,024.10
New Mexico	36,167.92	12,662.36	1,663.65	14,939.89	2,836.38	4,065.64							
New York	189,727.52	4,889.01	5,218.95	44,318.04	33,738.82	20,916.86		9,865.21	5,314.51	4,218.59	2,291.88		8,470.93
North Carolina	185,970.33	16,568.38	5,233.99	139,002.45	7,516.63				9,583.95		4,997.00		
North Dakota	57,895.11	21,394.12	1,209.86	34,741.13					250.00			200.00	
Ohio	205,933.50	22,916.02	11,370.32	75,767.37	11,331.78	22,185.34			1,073.77	2,425.33	3,965.17		10,965.13
Oklahoma	134,626.97	13,811.83	1,516.90	70,184.76	24,712.61	7,991.24			152.33	3,871.19	3,498.37		1,332.20
Oregon	44,088.76	3,907.97	1,541.95	11,021.37	3,065.74	11,720.45			1,808.39	773.10	1,896.64		2,871.33
Pennsylvania	292,552.07	22,439.72	1,597.37	135,771.08	6,574.45	11,399.44			2,382.45	2,520.97	15,615.08		
Rhode Island	11,673.75	3,700.42	198.50	1,730.99	3,090.77	2,732.51			181.50				
South Carolina	130,297.88	12,381.85	2,922.24	48,142.36	22,162.51	3,899.51			4,779.81	13.85	3,301.29		6,100.38

<sup>1</sup> Prior to 1920 included home economics specialists.

<sup>2</sup> Prior to 1920 included under home demonstration work.

<sup>3</sup> South Carolina failed to meet the full allotment to that State by \$0.95.







Kansas.....	2,891.51	1,366.08	\$4,348.79		8,566.36	408.02	\$1,530.34	397.38		
Kentucky.....	2,031.73				3,975.23	2,206.65		600.00	\$499.98	
Louisiana.....	2,487.48		1,110.00							
Maine.....	3,445.26	1,054.34	620.37							\$83.26
Maryland.....	1,829.50							417.50		
Massachusetts.....	4,878.84		2,198.46		1,574.72	2,937.65		5,692.42		
Michigan.....	1,759.98	2,123.87				2,979.71				
Minnesota.....	11,034.63		2,809.56		9,834.34			2,265.93		
Mississippi.....	4,633.80		3,732.78		5,178.82			6,322.46		
Missouri.....						903.85				
Montana.....	3,726.52		2.33		3,235.10	1,380.66		1,564.70		
Nebraska.....										
Nevada.....						801.93				
New Hampshire.....	4,946.25									
New Jersey.....										
New Mexico.....	3,383.93	6,568.46	4,059.10	\$440.71	1,647.66	4,790.48	502.40	1,034.94		1,652.40
New York.....	1,507.12		114.76	88.05	479.09			875.91		
North Carolina.....						100.00				
North Dakota.....	7,148.59	3,718.96	3,705.67		8,954.76	3,165.85		2,342.86		102.16
Ohio.....	2,937.50			\$550.00				3,307.65		
Oklahoma.....	2,244.78	2,530.78	673.16			1,932.44				
Oregon.....	7,558.77					2,335.98		691.18		77,035.48
Pennsylvania.....						39.01				.05
Rhode Island.....	7,744.59	600.00	4,244.72					5,366.47		344.38
South Carolina.....	2,482.89		3,641.15							
South Dakota.....										
Tennessee.....								1,873.18		19,121.18
Texas.....		7,862.47					5,280.56	16,050.56	3,255.33	7,611.64
Utah.....										
Vermont.....										
Virginia.....	10,760.03	2,431.02			5,222.43	1,775.55				
Washington.....	525.17	1,513.85	30.00		891.52	878.36				
West Virginia.....	2,285.09	667.37								
Wisconsin.....	5,280.03	4,986.63								
Wyoming.....					4,089.35	625.00				
Total, 1921.....	120,881.01	39,347.39	31,290.85	550.00	75,761.33	45,856.28	7,313.30	61,357.69	499.98	105,950.55
1920.....	94,734.69	38,021.20	23,249.32		58,678.38	45,260.73	8,660.11	61,803.38	1,723.91	48,421.27
1919.....	89,593.31	40,819.23	21,307.37	388.18	50,945.46	48,087.69	20,794.66	57,132.80	1,943.32	41,171.96
1918.....	73,870.57	24,800.53	7,659.64	864.25	24,119.45	34,733.81	15,744.60	33,629.68	2,680.84	17,186.07
1917.....	45,773.14	11,691.68	7,937.23		21,730.76	32,786.96	10,510.03	18,374.98	2,455.40	4,945.63
1916.....	42,949.87	6,801.49	4,603.57		15,680.02	34,004.56	3,197.59	7,204.80	748.84	2,076.27
1915.....	16,309.53	400.00	440.00		1,180.15	4,369.31	126.00	2,298.60	3,712.95	5,065.27

<sup>4</sup> Pennsylvania unable to meet the full allotment to that State by \$67,234.37.

TABLE 9.—Expenditures for cooperative agricultural extension work for the year ended June 30, 1921, by projects.

EXPENDITURES FROM THE UNITED STATES APPROPRIATION OF MAY 8, 1914 (STATE SMITH-LEVER).

State.	Total.	Adminis- tration.	Printing and dis- tribution of publi- cations.	County agent work.	Home dem- onstration work. <sup>1</sup>	Boys' club work.	Home economics specialists. <sup>2</sup>	Extension schools.	Animal hus- bandry.	Poultry.	Dairying.	Animal diseases.	Agron- omy.
Alabama.....	\$164,770.62	\$5,140.89		\$83,810.24	\$57,814.41	\$802.61			\$5,052.18	\$1,183.25			
Arizona.....	13,151.95	1,182.82		6,749.38	4,817.07	402.68							
Arkansas.....	127,867.77	13,668.54	\$6,923.22	56,117.76	40,318.38		\$370.00	\$17.60		450.00	\$590.00		
California.....	84,620.49	5,863.03		47,911.19	14,303.05	13,901.64				2,599.92			
Colorado.....	36,743.42	3,026.59	1,321.68	15,852.50	1,962.37	2,529.46			5,024.92				\$3,399.36
Connecticut.....	10,711.84			3,493.00			1,518.00			2,100.00	2,100.00		
Delaware.....	9,809.51	3,935.00	580.00	110.00	545.76	3,551.25				88.89			
Florida.....	49,733.26		562.38	12,973.90	31,941.72	4,255.26							
Georgia.....	192,996.59	38,089.33	7,354.64	53,726.75	29,202.71	5,926.40			8,337.36	4,082.79	4,869.92	\$3,778.35	13,557.40
Idaho.....	23,834.44	900.00		11,845.63	3,315.00	4,251.67	1,202.14		1,100.00		400.00		380.00
Illinois.....	201,496.84			201,496.84									
Indiana.....	145,137.82			100,952.92	15,000.00	10,000.00							
Iowa.....	143,989.02	18,036.08		71,361.48	9,977.24	10,810.91	4,854.84	854.29	6,454.61	200.00	1,103.55		1,881.92
Kansas.....	111,591.85	472.83	474.71	55,413.05	27,336.19	14,229.48	6,936.79	50.63	9,753.72	6,535.12	3,310.97	464.13	5,953.74
Kentucky.....	161,676.01	20,097.90	46.82	45,935.53	4,889.03	12,334.76			3,821.05	4,166.35	3,703.39	491.63	4,380.30
Louisiana.....	108,116.19	3,909.44	5,401.26	8,205.02	3,044.01		2,097.82	120.40	1,887.47	2,582.42	3,044.81		
Maine.....	33,643.48	8,395.87		21,110.47	6,397.30	5,316.04			2,786.26	3,209.47	1,406.02		2,863.76
Maryland.....	59,391.61	10,087.72	2,000.00	8,471.37	4,939.87	6,522.50	432.90		536.54	32.89			
Massachusetts.....	22,463.07			57,893.64	3,576.60	13,444.95	9,954.05		4,267.21	1,630.90			9,593.87
Michigan.....	138,248.21	13,370.56	112.69	107,308.95	5,916.60	1,000.00			6,267.63				
Minnesota.....	144,225.55			69,931.08	31,782.22	10,489.33	4,866.42		3,469.03				
Mississippi.....	148,191.67	8,670.48	1,514.20	123,775.49	20,313.96	4,492.06	5,599.35			2,869.92	2,766.11	85.94	3,155.65
Missouri.....	176,595.37	4,990.60	1,570.49	15,115.87	5,696.72		1,804.14		800.52	2,629.22	953.35		1,424.27
Montana.....	22,616.73			46,701.21	3,650.44	7,543.83	4,890.37				775.31		
Nebraska.....	82,155.17	6,172.23		936.65	2,427.75	1,642.90							
Nevada.....	6,885.90	509.25	94.04	7,133.64	900.00	1,200.00							
New Hampshire.....	16,356.50	5,332.36	990.50	15,027.07	7,831.70	9,136.84	3,650.00			3,902.87	3,891.23	3,554.49	3,050.75
New Jersey.....	88,720.74	537.57	1,946.99	12,476.13	1,453.93	674.46							
New Mexico.....	26,167.92	1,041.78	392.15	83,141.51	38,458.71		12,820.00	8,211.32	2,000.00	2,000.00	2,000.00		2,580.52
New York.....	179,727.52	8,693.06	5,200.00	46,843.24	78,702.12	1,170.97			699.96				14,497.77
North Carolina.....	175,970.33	3,174.07	5,244.81	13,750.55	7,678.63	14,927.88			2,042.24				
North Dakota.....	47,895.11	726.86		137,223.59	1,014.65	6,563.37	1,026.94		4,877.72	6,595.28	1,598.00	4,283.73	8,546.21
Ohio.....	195,933.50	15,972.31		65,829.75	27,072.29	5,244.69	4,335.13		2,548.01	2,647.13	1,378.54		
Oklahoma.....	124,626.97	8,857.14	3,100.30	12,023.18	1,125.00	4,740.00	6,672.98			2,083.33	2,700.00		
Oregon.....	34,083.76	8,175.58		45,539.33	69,674.30	2,900.43	2,166.67		15,030.99	14,799.43	3,499.17		12,926.66
Pennsylvania.....	282,852.07	9,319.18	4,637.83	45,90.89	444.32	485.12							
Rhode Island.....	1,673.75	653.07		53,133.42	19,434.57	3,157.08	783.19		4,438.38		5,637.05		3,404.17
South Carolina.....	120,297.88	15,041.35	1,659.30	17,551.69	2,991.78	10,921.62							
South Dakota.....	47,279.45	7,702.23	13.31					4,128.12				1,320.00	



Tennessee.....	162,541.09	20,670.04	5,309.21	77,796.98	38,396.18	325.84	40.00	.....	.....	.....	.....	611.66
Texas.....	275,767.43	990.83	7,471.76	162,169.56	48,392.32	1,755.86	.....	6,054.98	7,167.06	4,337.40	2,066.50	.....
Utah.....	18,681.62	2,817.74	.....	10,495.84	3,878.13	1,489.91	.....	.....	.....	.....	.....	.....
Vermont.....	17,432.17	1,976.57	.....	7,833.06	3,498.87	1,726.70	.....	.....	.....	119.91	1,879.49	.....
Virginia.....	147,751.72	.....	4,245.44	80,026.80	59,605.81	.....	.....	3,873.67	.....	.....	.....	.....
Washington.....	50,005.50	2,844.37	40.00	20,783.06	2,418.06	3,540.64	.....	1,775.58	2,670.35	1,483.66	4,669.10	2,578.32
West Virginia.....	92,549.89	8,614.70	3,157.30	46,594.74	13,204.96	9,285.51	.....	.....	806.63	2,072.44	2,072.44	711.18
Wisconsin.....	123,931.55	3,515.14	5,385.90	57,810.81	1,670.04	2,753.26	.....	7,116.52	2,210.23	2,586.15	9,835.12	5,178.21
Wyoming.....	9,577.20	6,381.55	72.65	3,123.00	.....	.....	.....	.....	.....	.....	.....	.....
Total, 1921.....	4,599,999.05	299,526.68	76,823.58	2,348,738.60	761,014.77	215,447.91	22,731.78	94,802.54	104,050.07	77,498.14	74,905.25	100,675.72
1920.....	4,032,765.63	247,554.18	58,956.38	2,204,209.25	589,724.44	178,287.12	47,019.29	117,032.75	84,244.58	61,520.81	50,416.25	70,309.47
1919.....	2,100,000.00	252,329.45	55,540.79	941,902.93	293,869.64	112,706.28	28,667.68	.....	55,747.75	34,779.81	48,483.73	42,585.94
1918.....	1,600,000.00	178,212.44	40,130.89	766,416.54	197,262.21	80,315.51	35,850.11	.....	44,274.89	22,973.75	45,155.37	44,613.67
1917.....	1,100,000.00	97,302.53	34,819.50	541,495.05	126,235.78	50,209.68	36,501.94	.....	27,199.22	12,722.78	24,306.88	26,433.67
1916.....	600,000.00	90,055.50	15,198.34	283,077.42	68,468.44	28,473.54	25,754.65	.....	7,305.47	7,102.61	9,905.43	9,439.85
State.	Horticulture.	Botany and plant pathology.	Entomology, apiculture, ornithology.	Forestry.	Agricultural engineering.	Farm management.	Rural organization.	Marketing.	Exhibits and fairs.	Miscellaneous specialists.	Rodent pests.	Balance.
Alabama.....	\$7,359.76	\$147.62	\$2,362.26	.....	.....	.....	\$1,058.37	.....	\$39.03	.....	.....	.....
Arizona.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Arkansas.....	480.00	.....	.....	.....	.....	\$15.62	400.00	.....	8,516.65	.....	.....	.....
California.....	.....	.....	.....	.....	.....	.....	41.66	.....	.....	.....	.....	.....
Colorado.....	.....	.....	.....	.....	.....	.....	2,136.56	.....	1,489.98	.....	.....	.....
Connecticut.....	.....	.....	.....	.....	.....	.....	1,500.84	.....	.....	.....	.....	.....
Delaware.....	686.92	311.69	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Florida.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Georgia.....	8,979.15	.....	.....	.....	.....	3,792.91	.....	.....	5,992.10	\$5,306.78	.....	.....
Idaho.....	440.00	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Illinois.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Indiana.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Iowa.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Kansas.....	104.17	326.08	250.00	.....	.....	.....	2,461.62	.....	.....	.....	.....	.....
Kentucky.....	4,413.74	.....	.....	.....	.....	475.11	5,259.26	.....	1,399.36	.....	.....	.....
Louisiana.....	11,519.12	.....	2,108.37	.....	.....	.....	.....	.....	1,710.89	970.06	\$774.80	.....
Maine.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Maryland.....	2,870.83	.....	.....	.....	.....	.....	2,265.66	\$1,260.48	.....	.....	.....	.....
Massachusetts.....	1,466.38	.....	.....	.....	.....	.....	18.42	.....	28.14	.....	.....	.....
Michigan.....	6,482.23	.....	3,542.48	.....	.....	2,749.68	1,221.53	.....	8,407.82	.....	.....	.....
Minnesota.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Mississippi.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Missouri.....	1,384.13	.....	11.33	.....	.....	489.85	58.48	.....	14,670.31	.....	.....	.....
Montana.....	.....	.....	.....	.....	.....	.....	.....	.....	1,562.98	.....	.....	.....
Nebraska.....	2,556.54	.....	552.78	.....	.....	2,224.66	796.08	.....	1,259.67	.....	.....	.....

<sup>1</sup> Prior to 1920, included home economics specialists.<sup>2</sup> Prior to 1920, included under home demonstration work.<sup>3</sup> South Carolina failed to meet the full allotment to that State by \$0.95.<sup>4</sup> Pennsylvania unable to meet the full allotment to that State by \$67,234.37.



TABLE 9.—*Expenditures for cooperative agricultural extension work for the year ended June 30, 1921, by projects—Continued.*

EXPENDITURES FROM THE UNITED STATES APPROPRIATION OF MAY 8, 1914 (STATE SMITH-LEVER)—Continued.

State.	Horticulture.	Botany and plant pathology.	Entomology, apiculture, ornithology.	Forestry.	Agricultural engineering.	Farm management.	Rural organization.	Marketing.	Exhibits and fairs.	Miscellaneous specialists.	Rodent pests.	Balance.
Nevada.....												
New Hampshire.....							\$800.00					
New Jersey.....	\$9,775.72											
New Mexico.....						\$2,000.00	2,900.00		\$2,176.46		\$4,398.52	
New York.....	3,750.00	\$2,000.00	\$1,350.00		\$1,000.00	5,475.23	407.38					\$1,632.40
North Carolina.....	500.00	4,228.31	3,552.41		3,461.01		3,458.28		261.62	\$1,066.25		
North Dakota.....			900.00			1,722.50	2,137.50					102.16
Ohio.....	4,345.08			\$50.00								
Oklahoma.....	962.89						750.00		263.25			
Oregon.....	325.00						3,063.13					77,035.48
Pennsylvania.....	2,445.36	12,567.78	4,012.63		1,409.21		.30		3,990.16			.05
Rhode Island.....												344.38
South Carolina.....	5,097.66		1,193.27					\$2,079.15	4,894.91			
South Dakota.....							2,650.68					19,121.18
Tennessee.....												7,611.64
Texas.....		14,999.86						6,802.99			5,946.67	
Utah.....												
Vermont.....	397.57											
Virginia.....												
Washington.....	1,829.11	2,053.28				2,023.45	1,296.52					
West Virginia.....	2,810.85	1,249.95										
Wisconsin.....	1,448.83	1,108.15	2,285.54			10,419.26	1,298.97					
Wyoming.....												
Total, 1921.....	82,432.04	38,993.32	22,121.07	50.00	5,870.22	31,388.27	35,981.24	10,142.62	56,663.33	7,343.09	11,119.99	105,950.55
1920.....	76,121.70	29,513.14	21,011.90	1,927.09	5,555.87	42,707.86	25,288.52	12,718.94	32,737.92	3,971.01	9,380.74	48,421.27
1919.....	37,705.66	19,646.78	10,750.04	1,163.59	3,759.50	26,472.85	21,327.94	13,077.73	31,572.65	5,104.36	10,134.00	41,171.96
1918.....	22,294.37	19,659.97	9,904.89	367.54	1,184.10	20,830.86	13,135.06	13,798.22	20,502.90	3,128.85		11,933.71
1917.....	18,183.43	18,643.05	7,030.07		3,171.32	12,420.99	15,638.37	12,636.50	9,544.02	2,839.67	12,489.65	4,945.63
1916.....	9,911.70	5,388.86	3,560.81		1,498.89	3,003.55	6,065.04	12,279.09	1,850.19	3,434.64	3,742.83	2,076.27

**TABLE 10.**—*Sources of offset to Federal Smith-Lever funds for the year ending June 30, 1921.*

State.	Total.	State.	County.	College.	Other.	Balance.
Alabama.....	\$164,770.62	\$77,430.54	\$87,310.08	.....	.....	.....
Arizona.....	13,151.95	13,151.95	.....	.....	.....	.....
Arkansas.....	127,867.77	84,532.73	43,305.04	.....	.....	.....
California.....	84,620.49	84,620.49	.....	.....	.....	.....
Colorado.....	34,743.42	25,013.89	11,729.53	.....	.....	.....
Connecticut.....	10,711.84	10,711.84	.....	.....	.....	.....
Delaware.....	9,809.51	6,010.76	.....	\$600.00	\$3,198.75	.....
Florida.....	49,733.26	33,515.89	16,217.37	.....	.....	.....
Georgia.....	192,993.59	130,062.92	62,933.67	.....	.....	.....
Idaho.....	23,834.44	23,834.44	.....	.....	.....	.....
Illinois.....	201,491.84	81,600.15	119,896.69	.....	.....	.....
Indiana.....	145,137.82	75,189.10	69,948.72	.....	.....	.....
Iowa.....	143,989.02	22,011.28	121,977.74	.....	.....	.....
Kansas.....	111,591.85	75,203.20	36,388.65	.....	.....	.....
Kentucky.....	161,676.01	105,770.25	52,720.44	.....	3,185.32	.....
Louisiana.....	108,116.19	72,860.91	35,255.28	.....	.....	.....
Maine.....	33,643.48	22,672.78	10,970.70	.....	.....	.....
Maryland.....	59,391.61	59,308.35	.....	.....	.....	\$83.26
Massachusetts.....	22,490.07	8,877.07	13,592.00	.....	.....	.....
Michigan.....	138,948.21	.....	52,578.96	85,669.25	.....	.....
Minnesota.....	114,225.55	83,905.23	30,320.32	.....	.....	.....
Mississippi.....	148,191.67	78,993.72	69,197.95	.....	.....	.....
Missouri.....	176,595.37	66,686.47	109,908.90	.....	.....	.....
Montana.....	22,616.73	22,616.73	.....	.....	.....	.....
Nebraska.....	82,155.17	55,345.44	26,789.73	.....	.....	.....
Nevada.....	6,385.90	6,385.90	.....	.....	.....	.....
New Hampshire.....	16,353.50	11,022.86	5,333.64	.....	.....	.....
New Jersey.....	58,720.74	58,720.74	.....	.....	.....	.....
New Mexico.....	25,177.92	17,634.90	8,533.02	.....	.....	.....
New York.....	179,727.52	178,075.12	.....	.....	.....	1,652.40
North Carolina.....	175,970.33	90,614.95	64,106.05	21,249.32	.....	.....
North Dakota.....	47,895.11	42,277.00	5,618.11	.....	.....	.....
Ohio.....	195,933.50	131,961.58	63,869.76	.....	.....	102.16
Oklahoma.....	124,623.97	83,986.00	40,640.97	.....	.....	.....
Oregon.....	34,088.73	34,088.76	.....	.....	.....	.....
Pennsylvania.....	282,852.07	199,129.03	6,687.53	.....	.....	77,035.48
Rhode Island.....	1,673.75	1,673.70	.....	.....	.....	.05
South Carolina <sup>1</sup> .....	120,297.88	81,070.00	38,883.50	.....	.....	344.38
South Dakota.....	47,279.45	47,279.45	.....	.....	.....	.....
Tennessee.....	162,541.09	48,000.00	94,957.41	462.50	.....	19,121.18
Texas.....	275,767.43	170,967.67	97,188.12	.....	.....	7,611.64
Utah.....	18,681.62	18,681.62	.....	.....	.....	.....
Vermont.....	17,432.17	17,432.17	.....	.....	.....	.....
Virginia.....	147,751.72	97,243.22	48,084.13	.....	2,424.37	.....
Washington.....	50,035.50	33,699.36	16,306.14	.....	.....	.....
West Virginia.....	92,549.89	38,144.59	54,405.30	.....	.....	.....
Wisconsin.....	123,931.55	123,931.55	.....	.....	.....	.....
Wyoming.....	9,577.20	6,454.20	3,123.00	.....	.....	.....
Total, 1921.....	4,599,999.05	2,858,480.54	1,518,778.45	107,981.07	8,808.44	105,950.55
1920 <sup>2</sup> .....	4,032,765.63	2,439,467.52	1,095,923.84	191,287.03	257,665.97	48,421.27
1919.....	2,100,000.00	1,539,300.08	316,367.59	45,756.34	153,394.03	41,171.96
1918.....	1,600,000.00	1,232,305.01	215,077.20	51,025.46	59,658.62	11,933.71
1917.....	1,100,000.00	893,058.99	94,555.74	59,055.32	48,383.33	4,945.62
1916.....	600,000.00	470,649.42	69,225.79	23,834.76	31,212.76	2,076.27

<sup>1</sup> South Carolina failed to meet full allotment to that State by \$0.95.<sup>2</sup> Pennsylvania unable to meet full allotment to that State by \$37,234.37.

TABLE 11.—Total expenditures of funds from all sources for cooperative agricultural extension work for the year ended June 30, 1921.

## BY SOURCES OF FUNDS.

State.	Total.	United States Department of Agriculture.		Smith-Lever.		State.	County.	College.	Other.
		Farmers' cooperative demonstration work.	Other bureaus.	Federal.	State.				
Alabama.....	\$383,133.25	\$37,804.01	\$33.32	\$174,770.62	\$164,770.62		\$5,754.68		\$43.35
Arizona.....	81,892.00	8,886.67	13,632.34	23,151.95	13,151.95		8,228.39		
Arkansas.....	399,912.95	32,708.84	4,238.18	137,867.77	127,867.77		92,830.20		
California.....	448,463.24	21,246.64	11,680.30	94,620.49	84,620.49		130,862.00	\$434.69	
Colorado.....	192,332.31	23,815.02	20,440.59	46,743.42	36,743.42		54,707.84		614.62
Connecticut.....	220,713.62	16,785.79	2,223.87	20,711.84	10,711.84		86,430.59		
Delaware.....	37,042.77	7,398.76	24.99	19,809.51	9,809.51				
Florida.....	201,551.59	22,275.33	261.03	59,733.26	49,733.26		51,785.44		10,942.96
Georgia.....	501,005.74	40,133.33	2,994.98	202,996.59	192,996.59		61,884.25	1,930.00	
Idaho.....	361,918.47	26,444.31	18,523.61	33,834.44	23,834.44		121,460.00		
Illinois.....	777,499.73	22,584.31	11,688.07	211,496.84	201,496.84			3,506.67	
Indiana.....	429,645.03	11,028.91	12,191.96	155,137.82	145,137.82		54,749.52		349,288.63
Iowa.....	880,810.96	15,862.01	21,615.96	153,989.02	143,989.02		165,500.00		13,486.39
Kansas.....	542,430.33	10,241.27	5,026.37	121,591.85	111,591.85		88,076.01	45,222.58	284,600.40
Kentucky.....	381,105.09	35,030.81	211.54	171,676.01	161,676.01		7,764.31		4,726.41
Louisiana.....	297,261.02	36,912.16	5,032.83	118,116.19	108,116.19		27,224.40		1,859.25
Maine.....	98,214.47	18,774.17		43,643.48	33,643.48		735.87	1,417.47	
Maryland.....	227,288.13	18,989.18	5,735.77	69,308.35	59,308.35		28,642.50		
Massachusetts.....	346,992.24	22,722.09	2,518.87	32,469.07	22,469.07		182,376.19		
Michigan.....	375,355.28	6,802.44	15,370.48	148,248.21	138,248.21		59,458.26	7,227.68	
Minnesota.....	557,092.44	13,988.35	16,858.44	124,225.55	114,225.55		129,328.84		108,645.34
Mississippi.....	451,762.37	33,924.49	8,503.39	158,191.67	148,191.67		92,471.76		
Missouri.....	411,207.93	6,599.81	1,224.36	186,595.37	176,595.37		40,193.02		
Montana.....	220,681.69	26,994.48	19,831.60	32,616.73	22,616.73		36,548.73		
Nebraska.....	376,093.49	11,451.30	22,282.62	92,155.17	82,155.17		143,403.52	24,645.71	
Nevada.....	95,032.08	11,633.91	8,875.83	16,385.90	6,385.90		33,486.54	3,420.07	11,558.33
New Hampshire.....	108,031.97	17,031.68	71.08	26,336.50	16,336.50		47,916.21		1,641.01
New Jersey.....	237,425.00	19,914.22	121.31	68,720.74	58,720.74		82,027.72		401.21
New Mexico.....	154,724.26	19,176.44	14,713.67	36,167.92	26,167.92		58,097.10		
New York.....	1,043,737.51	10,514.63	2,103.53	188,075.12	178,075.12		401,029.85	115,254.37	6,676.41
North Carolina.....	540,601.09	37,998.66	18,225.22	185,970.33	175,970.33		108,876.51		
North Dakota.....	254,488.54	24,242.33	20,622.55	57,895.11	47,895.11		77,506.95		
Ohio.....	543,187.85	9,866.66	12,406.81	205,831.34	195,831.34		77,365.71		3,499.69
Oklahoma.....	415,891.94	37,013.33	10,563.65	134,626.97	124,626.97		104,303.25	4,757.77	
Oregon.....	298,717.73	24,679.99	20,330.14	44,088.76	34,088.76		71,075.87		4,942.83
Pennsylvania.....	437,101.84	53.77	24.99	215,816.59	205,816.59		15,389.90		



Rhode Island.....	36,087.53	7,702.38	18.00	11,673.70	1,673.70	5,900.00	5,700.00	282.75	3,130.00
South Carolina.....	411,711.51	36,432.49	9,807.10	129,953.50	119,953.50	7,000.00	108,564.92	.....	.....
South Dakota.....	327,191.73	22,068.93	17,879.04	57,279.45	47,279.45	55,983.59	126,701.27	.....	.....
Tennessee.....	345,804.97	35,889.84	9,070.39	153,419.91	143,419.91	.....	.....	4,008.17	26.75
Texas.....	729,379.68	59,760.49	12,117.33	278,155.79	268,155.79	.....	111,190.28	.....	.....
Utah.....	116,408.33	21,286.84	14,174.31	28,681.62	18,681.62	27,575.04	1,516.67	.....	4,486.63
Vermont.....	118,666.28	18,706.82	1,787.12	27,432.17	17,432.17	2,943.04	15,149.24	.....	35,215.72
Virginia.....	403,998.01	30,284.67	281.87	157,751.72	147,751.72	34,351.07	26,310.28	.....	7,266.68
Washington.....	291,025.75	26,339.24	14,083.93	60,005.50	50,005.50	.....	120,041.92	13,124.66	6,825.00
West Virginia.....	243,272.07	19,789.17	2,434.79	102,549.89	92,549.89	25,203.81	.....	744.52	.....
Wisconsin.....	297,375.44	9,294.28	11,791.47	133,931.55	123,931.55	.....	18,426.50	.....	.....
Wyoming.....	140,926.07	17,962.71	11,377.10	19,577.20	9,577.20	54,568.98	27,863.18	.....	.....
Total, 1921.....	16,792,248.32	1,025,083.33	435,046.70	4,974,048.50	4,494,048.50	1,308,530.29	3,293,566.38	241,367.01	1,020,557.61
1920.....	14,658,079.92	1,021,091.39	403,020.96	4,464,344.36	3,984,344.36	966,373.70	2,865,739.87	278,092.02	672,073.26
1919.....	14,661,560.50	1,556,439.70	933,373.64	2,538,828.04	2,058,828.04	715,640.12	2,291,209.30	186,188.37	370,653.29
1918.....	11,302,764.75	2,390,406.30	507,282.95	2,068,066.29	1,588,066.29	682,781.45	1,863,632.29	198,309.80	494,219.38
1917.....	6,149,619.63	958,333.87	185,893.15	1,575,054.38	1,095,054.38	635,275.15	1,258,296.14	196,839.01	244,873.55
1916.....	4,864,180.94	900,389.92	163,172.01	1,077,923.73	597,923.73	651,799.58	973,251.56	220,934.32	273,786.09
1915.....	3,597,235.85	905,782.00	105,168.40	474,934.73	.....	724,445.13	780,331.79	319,823.25	286,748.55

<sup>1</sup> Includes \$4,598,243.13 emergency funds.<sup>2</sup> Includes \$2,949,072.48 emergency funds.

TABLE 12.—Total expenditures of funds from all sources for cooperative agricultural extension work for the year ended June 30, 1921.

## BY ITEMS OF EXPENSE.

State.	Amount of appropriation.	Salary.	Labor.	Publications.	Stationery and small printing.	Postage, telegraph, phone, freight, and express.	Heat, light, water, and power.	Supplies.	Library.	Tools, machinery, and appliances.	Furniture and fixtures.	Scientific apparatus and specimens.	Live stock.	Traveling expenses.	Contingent expenses.
Alabama.....	\$383, 133.25	\$317, 242.09	\$2, 155.77	\$641.15	\$4, 645.33	\$2, 250.08	\$202.78	\$1, 085.64	\$180.27	\$101.18	\$3, 515.42	\$187.84		\$50, 884.71	\$40.39
Arizona.....	81, 892.00	45, 930.51	6.03	603.40	2, 236.05	781.77	7.80	564.39	8.00	125.70	1, 634.31	121.50		28, 984.77	825.81
Arkansas.....	399, 912.95	297, 672.85	660.04	8, 745.50	2, 974.93	2, 421.33	217.97	914.71	233.99	128.66	5, 604.43	263.45		76, 101.68	3, 918.34
California.....	448, 463.24	257, 744.15	400.36	11, 325.75	5, 832.02	1, 102.82		497.07	7.00	45.41	874.50	43.43		103, 107.83	67, 431.90
Colorado.....	192, 332.31	120, 883.94	875.28	4, 033.81	1, 855.82	1, 209.56		848.98	4.00	377.22	901.23			60, 935.71	255.63
Connecticut.....	220, 713.62	140, 093.78	2, 104.87	5, 274.97	6, 223.77	5, 103.55	2, 800.85	6, 255.33			2, 313.61			43, 331.40	7, 111.50
Delaware.....	37, 042.77	24, 805.95	729.88	1, 160.00	1, 038.85	674.93	11.44	420.59	43.04	43.95	469.60	92.50		7, 550.84	1.20
Florida.....	201, 551.59	171, 543.60	221.93	3, 453.09	1, 275.64	664.24	17.35	328.65	40.50	6.55	602.22	401.75		22, 983.55	4.50
Georgia.....	501, 005.74	424, 769.17	3, 154.82	7, 354.04	1, 134.00	1, 995.91	1, 442.93	2, 889.43	38.00	2, 208.59	1, 787.62	51.92		54, 129.21	44.50
Idaho.....	361, 918.47	205, 527.63	927.92	5, 132.74	5, 073.52	2, 978.29	8.05	8, 342.72	232.83	101.05	2, 492.65	972.33		9, 357.55	32, 170.89
Illinois.....	777, 499.73	744, 978.35	405.39	2, 772.71	2, 933.45	1, 514.48		144.29	121.91		1, 285.73			23, 275.75	63.60
Indiana.....	429, 645.03	323, 305.20	4, 182.38	5, 721.64	4, 831.39	2, 529.10		21, 372.38	13.45	125.57	368.37	57.20		64, 083.05	21.30
Iowa.....	880, 810.93	604, 948.94	9, 033.23	4, 978.77	11, 689.85	34, 384.67	1, 200.00	45, 450.31	20.50	141.00	517.64	22.50	\$35.80	138, 349.28	37.47
Kansas.....	542, 430.33	393, 755.60	8, 746.09	12, 573.12	13, 733.40	13, 554.37	479.59	7, 717.82	451.15	441.21	5, 623.43	519.03		75, 255.68	9, 579.81
Kentucky.....	381, 105.09	273, 517.78	3, 447.91	1, 070.32	2, 229.90	1, 842.91	2, 700.00	1, 008.19	41.25	19.25	1, 753.78	1, 363.09		91, 255.23	252.50
Louisiana.....	297, 261.02	253, 508.70	795.70	5, 425.38	9, 855.99	1, 297.01	400.00	1, 555.75	21.37	34.45	489.60			32, 527.00	205.00
Maine.....	98, 214.47	66, 375.63	292.04	924.51	2, 258.80	1, 418.65	.25	193.27	51.01	55.08	1, 903.27	21.63		25, 696.73	19.60
Maryland.....	227, 288.13	166, 808.58	30.70	2, 533.16	2, 423.20	1, 285.75		5, 127.27	147.99	79.75	662.71	405.05		43, 255.68	1, 498.24
Massachusetts.....	346, 992.24	249, 281.06	5, 958.30	7, 505.87	7, 992.63	3, 114.47	125.55	2, 166.37	116.09	151.04	2, 287.74	15.50		67, 132.32	508.30
Michigan.....	375, 355.28	306, 188.59	7, 959.35	3, 455.50	9, 226.91	2, 288.92		2, 466.37	70.63	127.60	947.76	853.39		41, 873.11	187.15
Minnesota.....	557, 092.44	385, 376.78	8, 972.07	9, 579.57	11, 899.47	14, 991.88	730.48	1, 751.06	221.02	161.73	940.31	228.83		117, 652.69	4, 603.52
Mississippi.....	451, 762.37	366, 811.33	1, 933.09	4, 033.12	4, 431.74	2, 901.71	1, 003.44	2, 128.62	114.39	80.53	1, 621.67	25.65		65, 242.85	100.22
Missouri.....	411, 207.93	300, 343.14	2, 374.96	5, 814.63	11, 708.73	7, 517.42	3, 043.32	3, 652.97	97.60	1, 950.83	3, 731.51	358.47		68, 988.84	4, 301.48
Montana.....	220, 681.99	125, 202.02	1, 912.21	3, 227.14	6, 935.44	1, 717.08	1, 413.61	27, 207.51	20.70	700.05	644.22	118.75		51, 178.80	45.16
Nebraska.....	376, 093.49	267, 790.71		5, 234.42	16, 454.02	9, 783.54		1, 394.02	109.92	733.62	4, 403.35	91.84		63, 457.01	5, 761.04
Nevada.....	95, 092.08	61, 020.62	2, 708.11	422.39	1, 135.39	716.72	81.45	691.35	155.93	5, 413.83	1, 474.28	35.70		19, 931.75	1, 304.55
New Hampshire.....	108, 031.97	56, 605.31	6, 838.53	1, 502.24	11, 037.35	2, 639.23	300.00	2, 039.98	4.25	83.38	1, 421.18	88.69		23, 441.34	1, 989.08
New Jersey.....	237, 425.00	156, 343.67	1, 741.46	3, 445.00	5, 711.25	4, 193.58	286.80	2, 319.07	420.10	480.49	4, 175.63	615.73		51, 277.55	2, 913.67
New Mexico.....	154, 724.20	95, 295.21	3, 602.03	2, 199.80	1, 415.62	2, 830.67	541.92	374.61	309.31	150.10	727.59	954.01		45, 141.10	680.25
New York.....	1, 043, 737.51	538, 467.43	18, 294.14	153, 278.52	71, 389.23	7, 584.50	2, 511.92	8, 931.56	622.15	645.23	15, 132.85	3, 428.81		185, 122.13	14, 325.01
North Carolina.....	540, 001.09	456, 807.49	578.22	11, 557.85	3, 923.93	2, 286.93		1, 657.91	55.57	293.91	2, 239.04	428.09		59, 807.08	937.74
North Dakota.....	254, 488.54	158, 051.60	5, 075.25	1, 672.73	2, 211.57	4, 921.47	4, 044.98	4, 268.03	37.70	10.79	2, 490.08	190.99		71, 418.72	51.65
Ohio.....	543, 187.85	397, 119.78	7, 917.07	13, 380.47	7, 681.79	2, 641.71	23.50	3, 429.93	241.90	218.07	1, 312.91	302.65		108, 167.51	750.55
Oklahoma.....	415, 891.94	354, 708.32	1, 302.49	4, 617.20	3, 925.87	1, 245.90	720.35	114.37	19.33	19.14	324.49	17.55		38, 873.31	3.60
Oregon.....	298, 717.73	197, 686.42	3, 421.78	2, 944.74	7, 521.22	5, 437.97	314.48	1, 280.68	93.48	399.42	2, 680.38	174.38		72, 239.82	4, 501.91
Pennsylvania.....	437, 101.84	309, 579.02	2, 521.74	5, 605.20	9, 008.27	9, 938.29	1, 050.00	1, 905.21	53.21	239.81	1, 901.84	113.18		95, 130.05	65.99
Rhode Island.....	36, 087.53	24, 177.34	78.55	198.50	555.70	188.57		292.38	48.49	1.50	257.85	7.23		5, 500.80	1, 800.52

South Carolina.....	411,711.51	348,597.78	9.00	4,581.51	1,050.17	3,335.74	606.80	920.37	92.06	63.77	3,329.42	180.51	.....	48,527.43	416.62
South Dakota.....	327,191.73	226,614.55	3,917.18	1,932.89	9,434.51	7,851.57	351.41	2,160.89	74.00	118.80	1,904.64	205.51	.....	70,390.78	2,154.00
Tennessee.....	345,804.97	272,290.02	2,328.17	11,444.84	5,745.38	2,421.05	341.74	1,476.77	345.45	43.80	4,576.14	155.85	.....	44,292.45	343.30
Texas.....	729,379.68	583,069.51	.....	12,179.13	5,495.33	2,697.94	.....	948.70	284.09	4.80	1,608.45	111.03	.....	121,979.50	1,037.00
Utah.....	116,403.33	90,940.19	920.97	750.60	803.54	434.71	.....	3,785.85	52.58	105.64	238.69	224.32	.....	17,552.13	594.11
Vermont.....	118,666.28	64,008.33	7,816.14	148.49	9,550.74	2,959.21	2.18	1,705.38	30.86	216.25	983.23	53.25	.....	21,523.57	9,665.62
Virginia.....	403,998.01	311,312.27	1,377.43	8,819.30	3,800.90	2,057.35	340.71	936.88	85.02	8.52	1,385.07	575.61	.....	44,338.71	28,880.24
Washington.....	291,025.75	174,893.44	21,369.08	2,003.88	5,902.04	5,482.70	534.44	5,178.07	153.74	974.63	3,872.87	1,152.25	.....	69,507.41	.....
West Virginia.....	243,272.07	203,282.34	714.22	4,815.73	3,398.28	1,044.78	.....	2,138.87	.....	144.64	233.81	20.24	.....	27,425.91	3.25
Wisconsin.....	297,375.44	232,429.10	1,380.97	10,483.71	1,831.40	2,017.72	.....	2,214.32	15.50	262.45	1,176.15	452.72	.....	45,027.30	94.10
Wyoming.....	140,923.07	94,623.78	1,281.52	643.32	2,391.77	1,302.30	1.00	788.98	.....	75.51	22.10	.95	.....	35,913.25	3,831.55
Total, 1921.....	16,792,248.32	2,254,307.30	662,570.99	382,034.03	317,680.86	195,275.08	48,735.14	198,370.97	623.34	870.63	100,865.51	16,584.08	36.80	2,873,523.01	218,777.56
1920.....	14,658,079.92	10,317,011.90	164,778.45	308,629.24	229,038.17	137,230.47	33,471.25	204,299.45	654.47	951.98	88,220.31	113,295.44	198.31	2,807,798.73	318,101.66
1919.....	14,661,570.50	10,498,091.40	151,107.13	293,371.74	247,795.48	133,351.24	19,574.36	245,342.87	612.88	850.45	144,607.43	113,443.82	1,692.54	2,735,151.37	181,762.77
1918.....	11,302,794.75	8,168,915.83	106,839.80	190,267.35	204,632.33	127,128.31	18,246.60	212,631.90	3,523.35	902.30	166,255.64	11,897.59	9,458.39	1,830,764.70	167,247.60
1917.....	6,149,619.63	4,403,021.73	84,878.32	144,777.23	113,947.63	68,330.02	6,214.88	116,804.55	2,256.33	178.19	53,394.57	10,567.50	1,823.68	1,023,403.63	98,016.34
1916.....	4,864,180.94	3,434,032.25	80,029.60	98,850.53	79,074.79	48,709.30	4,842.21	97,728.37	2,164.36	363.27	48,631.76	10,719.60	992.89	849,259.37	76,481.51
1915.....	3,597,235.85	2,616,959.83	79,954.09	72,080.72	49,640.47	37,437.90	9,614.79	55,886.15	707.48	994.67	39,153.66	6,870.21	2,255.99	603,432.74	19,125.12



TABLE 13.—Total expenditures of funds from all sources for cooperative agricultural extension work for the year ended June 30, 1921, by projects.

State.	Total.	Adminis- tration.	Printing and dis- tribution of publi- cations.	County agent work.	Home demonstra- tion work. <sup>1</sup>	Boys' club work.	Home economics. <sup>2</sup>	Extension schools.	Animal hus- bandry.	Poultry.	Dairying.	Animal diseases.	Agro- nomy.
Alabama.....	\$883, 133.25	\$21, 151.75	\$641.15	216, 710.16	\$102, 755.01	\$4, 100.62	.....	\$1, 429.18	\$5, 221.94	\$1, 183.25	\$4, 358.70	\$699.10	\$4, 325.91
Arizona.....	81, 892.00	12, 270.67	663.40	32, 051.13	13, 610.75	1, 674.64	.....	798.83	840.61	488.24	1, 999.84	.....	1, 001.43
Arkansas.....	399, 912.95	38, 846.35	8, 745.50	193, 437.25	120, 407.16	.....	\$3, 499.47	1, 057.58	.....	4, 168.68	5, 411.95	.....	.....
California.....	448, 463.24	30, 619.54	11, 325.75	299, 655.41	59, 836.74	27, 861.95	1, 217.58	.....	.....	2, 599.92	3, 636.39	.....	.....
Colorado.....	192, 332.31	10, 174.22	4, 063.86	112, 664.51	8, 162.59	15, 777.73	.....	328.55	6, 255.57	.....	608.82	.....	4, 837.01
Connecticut.....	220, 713.62	16, 424.27	5, 274.97	96, 648.26	13, 311.52	13, 892.55	6, 239.33	2, 659.53	7, 412.04	10, 137.65	5, 905.46	.....	4, 667.79
Delaware.....	37, 042.77	6, 351.31	1, 160.00	14, 131.16	1, 822.21	11, 895.41	.....	690.20	.....	88.89	177.70	.....	.....
Florida.....	201, 551.59	10, 849.46	3, 453.09	100, 939.37	64, 566.70	15, 142.52	.....	.....	3, 824.51	1, 824.71	.....	.....	.....
Georgia.....	501, 005.74	38, 089.33	7, 354.64	242, 450.21	145, 493.42	5, 926.40	.....	.....	8, 337.36	4, 082.79	6, 489.92	3, 778.35	13, 557.40
Idaho.....	361, 918.47	28, 320.56	5, 132.74	140, 981.03	36, 879.01	46, 572.50	7, 382.60	2, 479.88	16, 108.42	.....	11, 686.06	.....	12, 433.31
Illinois.....	777, 499.73	14, 798.06	2, 772.74	629, 433.93	57, 945.94	16, 852.54	17, 603.70	7, 001.69	8, 277.42	.....	6, 301.70	.....	6, 600.00
Indiana.....	429, 645.63	28, 718.53	5, 721.61	247, 760.73	13, 349.69	21, 759.54	8, 802.63	.....	11, 969.94	9, 250.29	10, 109.82	3, 461.54	9, 880.69
Iowa.....	880, 810.96	54, 373.51	4, 978.77	575, 284.94	76, 888.70	51, 393.60	10, 841.57	12, 721.25	16, 017.16	13, 267.47	14, 126.30	4, 234.50	13, 877.69
Kansas.....	542, 430.33	20, 333.85	12, 573.12	351, 284.95	20, 470.09	18, 008.09	16, 607.10	.....	12, 850.32	9, 669.99	9, 943.27	2, 826.39	7, 446.31
Kentucky.....	381, 105.09	28, 693.30	1, 670.32	202, 469.39	53, 782.82	20, 715.01	10, 836.97	1, 817.55	12, 850.32	5, 598.56	4, 888.65	3, 217.35	8, 107.67
Louisiana.....	297, 261.02	19, 825.87	5, 425.38	153, 757.24	53, 129.35	12, 334.76	.....	.....	9, 371.03	7, 233.39	7, 233.39	491.63	6, 980.28
Maine.....	98, 214.47	14, 551.98	9, 924.51	48, 188.72	14, 371.74	6, 375.85	2, 097.82	120.40	1, 887.47	2, 582.42	3, 044.81	.....	3, 758.16
Maryland.....	227, 288.13	25, 001.07	2, 533.16	103, 951.23	50, 105.68	6, 622.90	.....	1, 279.60	3, 137.63	3, 683.78	3, 333.21	.....	4, 473.68
Massachusetts.....	346, 932.24	18, 175.90	7, 565.87	90, 583.01	84, 184.24	85, 232.84	3, 935.63	3, 891.07	2, 546.38	5, 440.74	4, 465.92	.....	21, 168.39
Michigan.....	375, 355.28	16, 339.43	3, 455.50	195, 995.60	15, 827.25	34, 955.51	17, 503.59	.....	8, 694.81	2, 628.51	1, 020.05	.....	1, 457.00
Minnesota.....	537, 092.44	27, 132.93	9, 569.57	389, 012.34	27, 119.17	25, 393.82	11, 556.94	.....	4, 410.12	4, 852.65	11, 957.04	.....	.....
Mississippi.....	431, 762.37	18, 037.66	4, 033.12	207, 128.47	117, 191.89	25, 278.45	6, 369.83	.....	9, 179.04	3, 720.14	13, 754.93	.....	.....
Missouri.....	411, 207.93	17, 176.35	5, 814.63	239, 821.46	43, 904.56	13, 001.34	19, 924.23	.....	13, 766.35	8, 378.21	10, 489.40	451.15	13, 905.62
Montana.....	220, 681.69	19, 284.59	3, 227.14	90, 805.46	26, 780.54	12, 182.61	6, 821.97	11, 670.25	2, 429.25	3, 507.39	2, 202.63	.....	4, 329.05
Nebraska.....	376, 093.49	17, 753.87	5, 234.42	237, 961.82	12, 295.40	26, 218.24	13, 153.18	.....	4, 414.90	6, 446.84	3, 393.72	.....	4, 291.30
Nevada.....	95, 092.08	5, 972.97	4, 422.39	44, 999.40	19, 130.09	12, 487.41	.....	.....	.....	.....	2, 828.99	373.00	.....
New Hampshire.....	108, 031.97	9, 882.23	1, 502.24	70, 067.11	9, 239.15	10, 920.77	.....	.....	.....	300.00	3, 518.54	.....	4, 074.85
New Jersey.....	237, 425.00	18, 655.55	3, 446.00	106, 081.65	36, 169.59	36, 416.28	6, 536.16	.....	.....	4, 594.13	6, 562.03	3, 554.49	.....
New Mexico.....	154, 724.26	13, 939.76	2, 199.80	80, 503.08	14, 172.03	19, 041.78	.....	4, 423.16	16, 372.43	18, 851.63	7, 433.36	.....	24, 367.59
New York.....	1, 043, 737.51	69, 750.93	153, 278.52	412, 018.42	128, 271.96	27, 283.24	44, 534.23	58, 346.54	12, 983.91	1, 500.00	20, 310.75	.....	14, 557.26
North Carolina.....	540, 601.09	19, 746.85	11, 556.85	280, 446.14	149, 607.99	1, 170.97	.....	.....	2, 716.87	.....	.....	4, 859.28	1, 457.99
North Dakota.....	234, 488.54	34, 424.81	1, 672.73	126, 877.84	17, 230.61	30, 602.69	2, 488.44	.....	.....	9, 140.43	8, 047.46	.....	21, 516.77
Ohio.....	543, 187.85	46, 978.31	13, 380.47	262, 371.35	21, 369.28	45, 902.24	21, 542.22	1, 712.06	2, 700.31	8, 066.15	5, 096.15	.....	3, 558.04
Oklahoma.....	415, 891.94	22, 750.66	4, 617.20	229, 980.61	100, 581.72	16, 407.78	8, 765.57	.....	5, 819.07	3, 888.61	10, 187.96	.....	16, 151.44
Oregon.....	298, 717.73	29, 213.00	2, 944.74	156, 012.00	20, 624.43	32, 632.59	3, 386.20	4, 273.49	18, 089.45	17, 360.85	19, 904.84	.....	.....
Pennsylvania.....	437, 101.84	41, 827.05	5, 605.20	182, 754.55	76, 826.09	15, 891.82	.....	92.02	.....	.....	181.50	.....	.....
Rhode Island.....	36, 087.53	4, 636.24	198.50	13, 551.88	9, 723.43	6, 717.63	.....	.....	.....	.....	.....	.....	.....
South Carolina.....	411, 711.51	27, 423.20	4, 581.54	139, 056.43	108, 250.44	7, 056.59	9, 077.11	.....	9, 218.19	13.85	9, 542.50	.....	9, 504.55
South Dakota.....	327, 191.73	19, 811.93	1, 962.89	225, 579.81	6, 454.36	19, 693.02	.....	4, 128.12	12, 299.76	2, 660.12	13, 213.96	5, 696.52	4, 266.73
Tennessee.....	345, 804.97	33, 002.61	11, 444.81	148, 641.92	103, 129.85	3, 999.02	.....	6, 601.24	13, 274.57	8, 030.87	8, 008.70	.....	4, 578.34
Texas.....	729, 379.68	33, 214.74	12, 170.13	440, 042.46	131, 871.88	3, 383.64	9, 326.92	.....	.....	.....	.....	.....	.....

State.	Horticulture.	Botany, and plant pathology.	Entomology, apiculture, ornithology.	Rodent pests.	Forestry.	Agricultural engineering.	Farm management.	Rural organization.	Marketing and fairs.	Farmers' institutes.	Correspondence courses.	Agriculture in schools.	Miscellaneous specialists.
Utah.....	116,403.33	14,024.36	750.60	43,612.78	23,507.39	8,163.57	2,303.43	4,876.44	652.56	1,637.98	261.60	.....	.....
Vermont.....	118,666.28	8,182.88	148.49	66,492.56	18,411.42	14,387.37	2,303.43	.....	386.16	4,631.06	.....	.....	.....
Virginia.....	403,998.01	58,031.59	8,819.30	205,233.42	72,355.98	6,257.02	3,873.67	.....	7,898.82	12,556.85	.....	.....	2,874.00
Washington.....	291,025.75	19,459.97	2,003.88	141,381.34	28,684.97	36,089.17	8,900.61	.....	3,040.07	18,625.26	.....	.....	4,175.72
West Virginia.....	243,272.07	33,107.13	4,865.73	102,831.02	32,327.36	25,637.58	.....	5,505.14	3,698.20	5,207.28	.....	2,625.97	4,515.89
Wisconsin.....	297,375.41	16,503.09	10,483.71	140,708.59	7,598.06	11,616.27	11,997.77	9,309.42	6,141.15	14,317.11	.....	.....	13,428.56
Wyoming.....	140,926.07	12,613.41	643.32	77,940.84	16,740.93	13,424.32	.....	.....	4,501.70	722.95	.....	.....	3,441.52
Total, 1921.....	16,792,248.32	1,147,756.66	382,034.06	8,911,965.32	2,388,473.21	923,982.19	300,146.47	147,183.19	209,454.02	323,182.77	36,532.87	281,547.94	.....
1920.....	14,658,079.92	995,051.57	308,629.24	7,665,170.77	2,177,024.52	883,615.86	332,415.38	144,187.62	151,161.93	276,917.62	63,200.89	218,019.26	.....
1919.....	14,661,560.50	930,658.24	263,616.98	7,124,500.90	2,889,210.50	921,621.38	.....	131,782.14	199,441.89	289,755.98	71,678.74	170,534.71	.....
1918.....	11,302,674.75	754,175.86	207,478.99	5,604,962.72	2,226,227.97	669,666.18	.....	153,904.15	309,270.72	70,402.84	332,852.55	31,777.11	153,211.24
1917.....	6,149,619.63	512,891.54	137,647.87	3,058,640.94	741,679.89	319,556.91	.....	175,754.15	162,063.74	59,498.54	208,966.83	44,215.50	105,529.87
1916.....	4,864,180.94	445,243.67	99,779.68	2,411,539.81	519,866.99	231,227.16	.....	198,045.02	131,937.90	47,328.49	172,557.69	21,936.02	77,859.05
1915.....	3,498,815.35	295,308.48	71,597.65	1,902,230.51	319,822.50	162,448.27	.....	198,353.91	42,448.08	19,475.14	106,098.08	4,563.64	20,912.81

  

State.	Horticulture.	Botany, and plant pathology.	Entomology, apiculture, ornithology.	Rodent pests.	Forestry.	Agricultural engineering.	Farm management.	Rural organization.	Marketing and fairs.	Farmers' institutes.	Correspondence courses.	Agriculture in schools.	Miscellaneous specialists.
Alabama.....	\$7,393.08	\$147.62	\$2,362.26	\$14,484.24	.....	\$5,468.62	\$1,058.37	.....	\$4,091.97	.....	.....	.....	\$34.56
Arizona.....	999.92	.....	.....	844.55	.....	604.95	1,919.04	.....	17,762.86	.....	.....	.....	.....
Arkansas.....	4,052.16	.....	.....	.....	.....	.....	3,666.05	.....	.....	.....	.....	.....	.....
California.....	.....	.....	.....	8,043.91	.....	.....	4,704.48	.....	6,820.70	.....	.....	.....	.....
Colorado.....	.....	8,861.15	1,928.03	9,073.12	.....	.....	6,679.17	.....	18,839.90	.....	.....	.....	766.60
Connecticut.....	7,749.15	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Delaware.....	1,282.10	311.69	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Florida.....	83.33	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Georgia.....	9,020.80	.....	.....	.....	3,792.91	.....	.....	.....	7,325.43	5,306.78	.....	.....	.....
Idaho.....	4,104.78	3,106.83	11,223.60	32,269.25	.....	.....	3,237.30	.....	.....	.....	.....	.....	.....
Illinois.....	4,516.66	8,569.71	.....	.....	.....	.....	3,827.33	.....	.....	.....	.....	.....	.....
Indiana.....	7,403.79	12,335.11	172.89	.....	3,476.94	.....	7,243.89	.....	.....	\$21,225.68	.....	.....	.....
Iowa.....	13,178.77	14,870.98	2,463.40	.....	6,603.09	.....	6,578.10	.....	5,347.35	.....	.....	.....	.....
Kansas.....	3,039.98	1,692.76	4,601.04	2,268.28	.....	8,888.27	4,638.63	\$3,444.21	.....	.....	\$20,508.24	.....	.....
Kentucky.....	6,635.90	16.66	.....	.....	4,450.34	.....	7,465.91	.....	1,796.74	.....	.....	.....	.....
Louisiana.....	14,014.93	.....	3,230.37	.....	.....	.....	.....	.....	3,623.39	1,470.04	.....	.....	774.80
Maine.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	303.09	.....	.....
Maryland.....	6,515.56	3,592.89	11,470.32	.....	.....	.....	3,765.66	1,282.94	.....	.....	.....	.....	.....
Massachusetts.....	13,705.04	283.02	46.46	.....	1,780.15	.....	5,616.63	.....	6,880.91	3,791.82	4,402.93	.....	.....
Michigan.....	11,806.69	10,370.11	5,761.95	.....	4,558.56	.....	4,616.33	.....	17,066.83	3,577.17	.....	.....	.....
Minnesota.....	2,049.03	17,082.95	53.80	.....	\$543.40	.....	4,844.56	.....	1,500.00	12,256.92	.....	.....	.....
Mississippi.....	11,403.97	.....	4,824.44	.....	.....	10,153.79	.....	.....	20,686.64	.....	.....	.....	.....
Missouri.....	6,017.93	.....	3,744.11	.....	.....	5,668.67	58.48	.....	9,085.44	.....	.....	.....	.....
Montana.....	.....	6,939.03	.....	21,805.43	.....	.....	3,380.80	.....	3,214.33	801.20	.....	.....	.....
Nebraska.....	7,007.98	14,559.97	560.77	3,540.61	.....	6,298.07	7,157.78	.....	3,804.62	.....	.....	.....	.....
Nevada.....	.....	3,594.58	.....	5,281.25	.....	.....	.....	.....	.....	.....	.....	.....	.....

<sup>1</sup> Prior to 1920, included home economics specialists.<sup>2</sup> Prior to 1920, included under home demonstration work.



TABLE 13.—Total expenditures of funds from all sources for cooperative agricultural extension work for the year ended June 30, 1921, by projects—Continued.

State.	Horti- culture.	Botany and plant pathology.	Entomol- ogy, api- culture or mithol- ogy.	Rodent pests.	Forestry.	Agricul- tural en- gineering.	Farm manage- ment.	Rural organi- zation.	Marketing	Exhibits and fairs.	Farmers' insti- tutes.	Corre- spond- ence courses.	Agricul- ture in schools.	Miscel- laneous spe- cialists.
New Hampshire.														
New Jersey.	\$14, 888.76			\$12, 715.71			\$2, 601.93		\$3, 976.46					
New Mexico.							15, 621.15	\$846.81	5, 374.94					
New York.	12, 803.87	\$16, 292.20	\$13, 991.06		\$4, 719.50	\$13, 577.13	407.38		7, 381.60	\$1, 066.25				\$275.00
North Carolina.	2, 023.78	4, 395.81	3, 667.17		3, 549.06	5, 954.32	5, 839.96		1, 200.00					
North Dakota.	458.94	17, 184.23	3, 752.82	3, 744.33		10, 884.31	9, 736.52		3, 912.36		\$27, 156.40	\$3, 634.36		
Ohio.	12, 212.57	12, 996.87	4, 676.53						7, 990.20					
Oklahoma.	3, 942.04			4, 983.46					4, 388.84					
Oregon.	4, 115.46	1, 145.81		11, 765.01			4, 792.48		4, 769.55					
Pennsylvania.	10, 152.66	15, 328.27	4, 777.80		2, 124.58		5, 475.67							
Rhode Island.	18.00						1, 060.35	2, 079.15	65, 273.74					
South Carolina.	12, 946.23	600.00	7, 077.99			4, 742.82	5, 882.43		3, 223.85					
South Dakota.	2, 782.87	14, 101.40	4, 174.49	3, 744.32		3, 001.13		12, 083.55	21, 347.51					9, 202.00
Tennessee.	8.33													1, 018.80
Texas.	58.31	22, 862.33		2, 982.07		896.76	3, 664.12					800.04		
Utah.		8, 274.82		4, 261.51			3, 275.55							
Vermont.	447.36								355.37					
Virginia.	11, 068.50	2, 503.71	114.02			5, 438.23				1, 177.28	5, 211.49			
Washington.	2, 354.48	3, 812.40	30.00	10, 038.07		3, 148.76	3, 840.41							
West Virginia.	5, 853.53	1, 973.95						2, 781.53						
Wisconsin.	6, 770.51	14, 934.81	3, 785.54			14, 508.61	3, 423.97			28.30				
Wyoming.		3, 663.33		7, 146.55										
Total, 1921.	244, 885.75	246, 405.00	98, 490.86	158, 167.12	10, 936.54	124, 742.98	146, 080.43	22, 518.19	259, 041.53	20, 078.60	66, 651.69	29, 648.66		12, 071.76
1920.	190, 600.55	196, 723.24	88, 679.73	129, 141.12	10, 694.57	125, 161.36	116, 381.31	30, 025.75	179, 620.88	23, 245.03	70, 267.48	24, 938.26	6, 184.92	19, 819.49
1919.	163, 788.79	286, 997.69	112, 474.45	151, 373.85	9, 499.45	97, 295.29	125, 614.03	49, 575.14	163, 927.62	10, 529.41	65, 035.46	25, 089.37	342.96	27, 045.97
1918.	125, 604.52	61, 591.37	100, 783.02	58, 670.91	5, 099.82	64, 517.11	102, 302.00	42, 152.51	104, 268.49	13, 159.98	62, 259.03	21, 201.60	2, 635.85	24, 588.21
1917.	84, 069.57	32, 596.15	14, 826.22	16, 435.68	9, 558.50	50, 600.78	102, 033.20	46, 194.46	50, 237.47	12, 482.49	94, 521.08	50, 804.53	5, 279.50	53, 534.22
1916.	79, 745.13	14, 014.12	8, 510.74		3, 638.84	36, 680.32	88, 469.26	39, 447.36	20, 493.57	12, 650.06	93, 815.11	30, 866.67	16, 931.66	61, 596.62
1915.	29, 927.89	4, 923.17	3, 940.00		3, 965.44	13, 041.60	51, 531.27	5, 060.34	2, 298.60	14, 019.21	92, 379.09	8, 442.64	6, 548.89	119, 478.14







TABLE 15.—Number of counties, with home demonstration agents and expenditures for home demonstration work, for the fiscal year ended June 30, 1921.

State.	Number of agricultural counties.	Number of counties with agents, July 1—								Expenditures for all home demonstration work.			
		1914	1915	1916	1917	1918	1919	1920	1921	Total expenditures.	Salaries.	Travel.	Other expenses.
Alabama.....	67	18	19	27	28	67	54	32	36	\$102,755.01	\$85,983.72	\$13,927.55	\$2,843.74
Arizona.....	14	15	20	31	47	3	6	6	8	13,610.75	5,740.92	4,195.79	674.04
Arkansas.....	75	.....	.....	.....	.....	65	58	42	34	120,407.16	95,110.02	25,297.14	.....
California.....	45	.....	.....	.....	.....	24	8	10	10	59,836.74	37,382.98	17,006.29	5,447.47
Colorado.....	63	.....	.....	2	.....	7	3	2	1	1,722.75	6,020.58	1,722.75	419.26
Connecticut.....	8	.....	.....	.....	5	8	6	6	3	13,311.52	11,089.00	1,641.10	581.42
Delaware.....	3	.....	.....	.....	1	3	2	.....	.....	1,822.21	1,210.38	497.58	114.25
Florida.....	54	24	27	28	35	54	42	29	28	61,566.70	54,645.69	9,483.51	437.50
Georgia.....	152	29	48	45	57	125	93	66	66	145,493.42	126,491.56	16,213.97	2,787.89
Idaho.....	44	.....	.....	.....	.....	24	4	5	5	36,879.01	22,489.43	11,297.39	3,092.19
Illinois.....	102	.....	.....	1	.....	88	17	11	11	57,945.94	56,095.90	1,849.04	.....
Indiana.....	92	.....	.....	.....	.....	22	8	5	3	13,349.69	12,522.00	696.99	130.70
Iowa.....	99	.....	.....	.....	.....	96	23	19	21	76,888.70	51,345.46	25,510.10	33.14
Kansas.....	105	.....	.....	.....	.....	14	8	9	7	20,470.09	15,827.37	4,092.72	550.00
Kentucky.....	120	9	19	24	27	96	74	18	19	55,782.82	38,518.02	16,366.04	898.76
Louisiana.....	64	13	13	18	20	33	32	24	25	53,129.35	44,640.51	7,747.48	741.33
Maine.....	16	.....	.....	.....	.....	14	2	5	10	14,371.74	9,573.27	4,777.75	20.72
Maryland.....	24	5	6	10	13	22	23	21	17	50,105.68	36,385.86	13,719.82	.....
Massachusetts.....	24	.....	.....	1	6	12	10	9	9	84,184.24	62,432.73	18,841.56	2,909.95
Michigan.....	84	.....	.....	1	1	24	13	12	10	15,827.25	14,015.20	1,736.49	75.56
Minnesota.....	86	.....	.....	.....	.....	39	8	8	7	27,119.17	20,303.97	6,315.59	499.61
Mississippi.....	81	33	33	32	49	71	64	53	35	117,491.89	94,150.66	19,918.76	3,122.47
Missouri.....	115	.....	.....	.....	.....	48	20	11	14	43,904.56	35,353.16	6,467.87	2,083.53
Montana.....	51	.....	.....	.....	.....	18	11	9	7	26,780.54	19,633.14	5,927.13	1,220.27
Nebraska.....	93	.....	.....	.....	2	30	10	7	7	12,295.40	11,299.87	969.09	26.44
Nevada.....	17	.....	.....	1	.....	10	5	5	6	19,130.09	14,403.33	2,638.20	2,085.56
New Hampshire.....	10	.....	.....	.....	2	9	6	3	5	7,239.15	7,295.00	1,448.19	495.96
New Jersey.....	26	.....	.....	1	.....	11	5	8	7	36,169.59	24,371.97	8,467.84	3,329.78
New Mexico.....	21	.....	.....	.....	.....	8	5	4	4	14,172.06	8,925.24	4,552.00	694.82
New York.....	57	.....	.....	.....	3	38	24	22	28	128,273.96	78,531.41	33,063.91	16,888.61
North Carolina.....	100	27	34	44	48	72	66	59	47	149,607.99	139,225.82	9,065.21	1,316.96
North Dakota.....	51	.....	.....	.....	2	33	5	4	2	17,230.61	11,040.43	5,427.30	712.83
Ohio.....	88	19	24	22	23	13	5	2	7	21,369.28	16,312.95	5,056.33	3,763.78
Oklahoma.....	77	.....	.....	.....	.....	50	46	40	36	100,581.72	90,190.47	6,627.47	6,627.47
Oregon.....	36	.....	.....	.....	.....	15	5	5	6	20,624.43	15,001.67	4,246.53	1,376.23
Pennsylvania.....	67	.....	.....	1	.....	48	.....	.....	.....	76,826.09	42,301.35	33,179.48	1,345.26
Rhode Island.....	5	.....	.....	.....	.....	4	.....	2	3	9,723.43	6,919.81	1,811.69	991.93
South Carolina.....	45	21	24	31	36	44	45	45	36	108,250.44	98,780.51	9,469.93	.....
South Dakota.....	66	.....	.....	.....	.....	42	3	3	1	6,434.36	5,091.08	1,343.13	20.15
Tennessee.....	95	18	24	31	49	94	77	41	26	103,129.85	86,169.55	14,971.95	1,988.35
Texas.....	250	26	27	38	31	67	69	55	38	131,871.88	106,548.94	25,195.79	127.15



TABLE 15.—*Number of counties, with home demonstration agents and expenditures for home demonstration work, for the fiscal year ended June 30, 1921—Continued.*

State.	Number of agricultural counties.	Number of counties with agents, July 1—								Expenditures for all home demonstration work.			
										Total expenditures.	Salaries.	Travel.	Other expenses.
		1914	1915	1916	1917	1918	1919	1920	1921				
Utah.....	29	.....	.....	2	2	14	4	6	3	\$23,507.39	\$19,549.18	\$3,802.06	\$156.15
Vermont.....	14	.....	.....	.....	.....	7	5	4	6	18,411.42	11,234.03	3,277.16	3,900.23
Virginia.....	100	17	22	25	38	52	36	28	23	72,353.98	62,968.97	9,277.26	109.75
Washington.....	39	.....	.....	.....	.....	22	6	8	7	28,684.97	18,614.04	7,031.17	3,039.76
West Virginia.....	55	5	10	12	12	33	22	12	8	32,327.36	28,053.71	4,100.25	173.40
Wisconsin.....	71	.....	.....	.....	.....	17	4	2	1	7,598.05	5,928.02	1,628.97	41.07
Wyoming.....	21	.....	.....	.....	.....	5	7	7	6	16,740.93	14,673.10	1,873.20	194.63
Total, 1921.....	3,011	.....	.....	.....	.....	.....	.....	.....	699	2,388,473.21	1,883,446.06	433,764.55	71,262.60
1920.....	.....	.....	.....	.....	.....	.....	.....	784	.....	2,177,074.52	1,705,993.32	384,831.29	86,199.91
1919.....	.....	.....	.....	.....	.....	.....	1,049	.....	.....	1,258,890,210.50	1,256,767.37	1,525,759.57	196,883.56
1918.....	.....	.....	.....	.....	.....	1,715	.....	.....	.....	1,252,226,227.97	1,171,742.77	1,383,509.92	170,373.28
1917.....	.....	.....	.....	.....	537	.....	.....	.....	.....	1,741,679.89	1,607,465.43	1,109,495.28	124,719.18
1916.....	.....	.....	.....	430	.....	.....	.....	.....	.....	1,519,866.99	1,420,420.04	179,330.84	120,416.11
1915.....	.....	.....	350	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1914.....	.....	279	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

1 Includes expenditures for home economics specialists.

TABLE 16.—*Number of persons on the extension staffs, classified according to the time devoted to agricultural extension work, for the fiscal year ended June 30, 1921.*

State.	Extension staff.								Also connected with experiment station.				Also connected with college teaching.			
	Total.		Full time.		More than half time.		Less than half time.		More than half time.		Less than half time.		More than half time.		Less than half time.	
	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.
Alabama.....	113	74	105	72	2	1	6	1	0	0	4	0	0	0	2	0
Arizona.....	15	5	9	5	6	0	0	0	0	0	0	0	0	0	0	0
Arkansas.....	109	98	97	95	0	0	12	3	0	0	12	3	0	0	12	3
California.....	109	21	83	21	0	0	26	0	83	21	26	0	0	0	0	0
Colorado.....	35	10	35	10	0	0	0	0	0	0	0	0	0	0	14	2
Connecticut.....	30	9	26	8	4	1	0	0	0	0	0	0	4	1	0	0
Delaware.....	8	4	5	4	1	0	2	0	1	0	1	0	0	0	1	0
Florida.....	45	45	39	42	4	2	2	1	0	1	2	1	1	1	1	0
Georgia.....	131	130	125	130	0	0	6	0	0	0	0	0	0	0	6	0
Idaho.....	64	25	50	23	0	0	14	2	0	0	1	0	0	0	13	2
Illinois.....	164	29	152	26	8	1	4	2	0	0	3	1	0	0	3	2
Indiana.....	129	13	123	13	3	0	3	0	1	0	4	0	1	0	2	0
Iowa.....	48	8	46	8	2	0	0	0	0	0	0	0	0	0	2	0
Kansas.....	91	27	91	27	0	0	0	0	0	0	0	0	0	0	0	0
Kentucky.....	126	59	115	52	3	2	8	5	3	2	5	5	3	0	5	1
Louisiana.....	83	49	78	47	2	1	3	1	0	0	1	1	0	0	0	0
Maine.....	23	8	21	8	2	0	0	0	0	0	0	0	0	0	0	0
Maryland.....	58	27	39	27	1	0	18	0	1	0	4	0	0	0	14	0
Massachusetts.....	40	21	37	21	1	0	2	0	2	0	0	0	1	0	12	0
Michigan.....	87	18	82	18	5	0	0	0	4	0	0	0	1	0	0	0
Minnesota.....	105	18	103	18	2	0	0	0	2	0	0	0	0	0	0	0
Mississippi.....	94	86	92	78	1	7	1	1	0	0	0	0	1	0	1	0
Missouri.....	120	36	115	35	0	0	5	1	0	0	1	0	0	0	0	0
Montana.....	42	17	39	16	1	1	2	0	1	0	2	0	1	0	2	0
Nebraska.....	72	16	70	16	1	0	1	0	1	0	1	0	0	0	0	0
Nevada.....	13	9	11	9	0	0	2	0	0	0	0	0	0	0	2	0
New Hampshire.....	19	9	18	9	1	0	0	0	1	0	0	0	0	0	0	0
New Jersey.....	34	17	34	17	0	0	0	0	0	0	0	0	0	0	0	0
New Mexico.....	61	19	52	18	1	0	8	1	0	0	6	0	0	0	1	1
New York.....	150	61	128	59	12	2	10	0	1	0	1	0	11	2	9	0
North Carolina.....	88	57	85	57	0	0	3	0	0	0	3	0	0	0	0	0
North Dakota.....	64	14	56	14	5	0	3	0	4	0	3	0	1	0	0	0
Ohio.....	164	51	128	32	1	1	35	18	0	0	0	1	0	0	7	0
Oklahoma.....	101	61	100	61	1	0	0	0	0	0	0	0	0	0	0	0
Oregon.....	48	22	46	19	1	3	1	0	0	0	0	0	0	0	1	0
Pennsylvania.....	127	24	92	22	0	0	35	2	0	0	33	0	0	0	33	0
Rhode Island.....	5	4	4	3	1	0	0	1	0	0	0	0	0	0	0	0
South Carolina.....	83	76	74	69	0	2	9	5	0	0	1	0	0	0	0	0
South Dakota.....	58	7	57	7	1	0	0	0	0	0	0	0	0	0	0	0
Tennessee.....	69	63	69	63	0	0	0	0	0	0	0	0	0	0	0	0
Texas.....	204	99	204	99	0	0	0	0	0	0	0	0	0	0	0	0
Utah.....	33	13	27	11	0	1	6	1	0	1	6	0	0	0	6	1
Vermont.....	25	11	21	11	0	0	4	0	0	0	1	0	0	0	2	0
Virginia.....	116	62	109	61	5	1	2	0	0	0	1	0	5	0	2	0
Washington.....	52	16	52	15	0	1	0	0	0	0	0	0	0	0	0	0
West Virginia.....	103	49	54	28	7	0	42	21	1	0	5	0	1	0	6	1
Wisconsin.....	104	12	59	9	21	0	24	3	9	0	5	0	14	0	6	0
Wyoming.....	26	10	23	9	6	0	3	1	0	0	3	1	0	0	0	0
Total, 1921.....	3,688	1,619	3,280	1,522	106	27	302	70	115	24	135	13	45	3	165	13
1920.....	3,943	1,689	3,360	1,488	127	46	456	155	45	0	96	5	48	4	203	18
1919.....	4,137	1,970	3,485	1,807	179	46	473	117	90	16	159	10	23	4	214	23
1918.....	4,409	2,336	3,548	1,959	184	88	677	289	97	13	200	5	28	4	213	24
1917.....	2,983	1,117	2,238	787	209	127	536	203	29	....	206	2	26	2	249	14
1916.....	2,266	751	1,686	515	108	100	472	139	30	....	199	7	33	19	226	17

TABLE 17.—Agricultural extension publications for the fiscal year ended June 30, 1921.

State.	Number of publi- cations issued.	Number of pages issued.	Number on mailing list.	Total cost.
Alabama.....	16	307	500	\$641. 15
Arizona.....	2	45	4,000	663. 40
Arkansas.....	38	468	35,000	8,745. 50
California.....	( <sup>1</sup> ) 28	( <sup>1</sup> ) 356	( <sup>1</sup> ) 8,020	11,325. 75
Colorado.....	15	172	9,000	4,063. 86
Connecticut.....	10	52	2,250	5,274. 97
Delaware.....	5	211	14,000	1,160. 00
Florida.....	35	550	20,000	3,453. 09
Georgia.....	23	378	20,000	7,354. 64
Idaho.....	11	153	33,000	5,132. 74
Illinois.....	32	254	500	2,772. 74
Indiana.....	( <sup>2</sup> ) 35	( <sup>2</sup> ) 305	300	5,721. 64
Iowa.....	21	255	450	4,978. 77
Kansas.....	8	165	17,000	12,573. 12
Kentucky.....	15	171	1,200	1,670. 32
Louisiana.....	8	250	6,209	5,425. 38
Maine.....	66	359	9,000	924. 51
Maryland.....	3	8	10,675	2,553. 16
Massachusetts.....	42	306	8	7,565. 87
Michigan.....	10	178	300	3,455. 50
Minnesota.....	30	354	55,000	9,569. 57
Mississippi.....	19	242	30,800	4,033. 12
Missouri.....	1	8	18,176	5,814. 63
Montana.....	3	20	( <sup>2</sup> )	3,227. 14
Nebraska.....	5	59	( <sup>2</sup> )	5,234. 42
Nevada.....	10	58	3,000	422. 39
New Hampshire.....	16	289	22,000	1,502. 24
New Jersey.....	33	1,268	12,500	3,446. 00
New Mexico.....	15	234	8,450	2,199. 80
New York.....	9	131	129,145	153,278. 52
North Carolina.....	105	752	20,285	11,556. 85
North Dakota.....	13	103	1,965	1,672. 73
Ohio.....	32	250	93,000	13,380. 47
Oklahoma.....	18	275	28,000	4,617. 20
Oregon.....	3	16	( <sup>2</sup> )	2,944. 74
Pennsylvania.....	18	105	33,000	5,605. 20
Rhode Island.....	5	144	500	198. 50
South Carolina.....	15	246	3,000	4,581. 54
South Dakota.....	103	443	4,350	1,962. 89
Tennessee.....	11	96	20,000	11,444. 84
Texas.....	1	16	17,000	12,170. 13
Utah.....	20	486	3,000	750. 60
Vermont.....	11	150	14,000	148. 49
Virginia.....	64	288	38,000	8,819. 30
Washington.....	30	411	13,692	2,003. 88
West Virginia.....	7	128	26,000	4,865. 73
Wisconsin.....			50,700	10,483. 71
Wyoming.....			3,500	643. 32
Total, 1921.....	1,020	11,518	840,467	382,034. 06
1920.....	1,094	12,184	818,331	308,629. 24
1919.....	1,212	11,753	797,237	263,616. 98
1918.....	1,377	12,625	979,431	190,267. 35
1917.....	1,472	13,153	798,689	133,647. 87
1916.....	864	9,330	1,023,828	99,779. 68
1915.....	819	8,279	967,426	72,090. 72

<sup>1</sup> Experiment publications used.<sup>2</sup> No list; distributed upon request.





